



WALTHER® FALTBOX

Innovative. Foldable. Sustainable.

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Technical specifications

This information is based on the latest technical knowledge and experience. We reserve the right to make technical changes. Dimensions and weights are subject to change due to technical tolerances. All load data apply at surface load for a temperature of 23°C. The suitability for specific applications can neither be explicitly nor tacitly deduced, but requires a review of the application conditions in each case.

Product return

All containers produced by WALTHER Faltsysteme can be returned at any time. These will then be recycled and, for example, reused in GREENLINE products.





We are your partner for solving your Returnable Transit Packaging Systems

For us, the focus is not on transport boxes and load carriers, but on the very specific task you want to accomplish with them. This requires comprehensive customer support from experts with a proper understanding of the details of your supply chain.

We stand for plastics competence

More than 40 years of experience in the design, toolmaking and production of reusable load carriers make us specialists in the development of new customised transport containers. We combine all production steps from brainstorming and design to toolmaking and series production in plastic injection moulding under one roof.

A load carrier is no longer just about transporting goods safely to their destination - load carriers are now active participants in supply chains. From barcode or smart label identification to special base designs for Intralogistical and complex conveyor systems, to recesses in the container walls for handling in automated processes, a load carrier today must not only be adapted to the product, but above all to the processes.

So it's about much more than just a load carrier: Together, we design your logistics process to be more efficient, resource-saving and sustainable - with a customised container for your requirements.

Innovative. Foldable. Sustainable.

Our slogan "Innovative. Foldable. Sustainable." reflects the three most important qualities WALTHER Faltsysteme stands for. We embrace innovation and keep developing new products. Even if not all of our products are foldable today, volume reduction is our brand essence and describes where we come from. Sustainability is firmly anchored in our DNA and an important focus for our future.

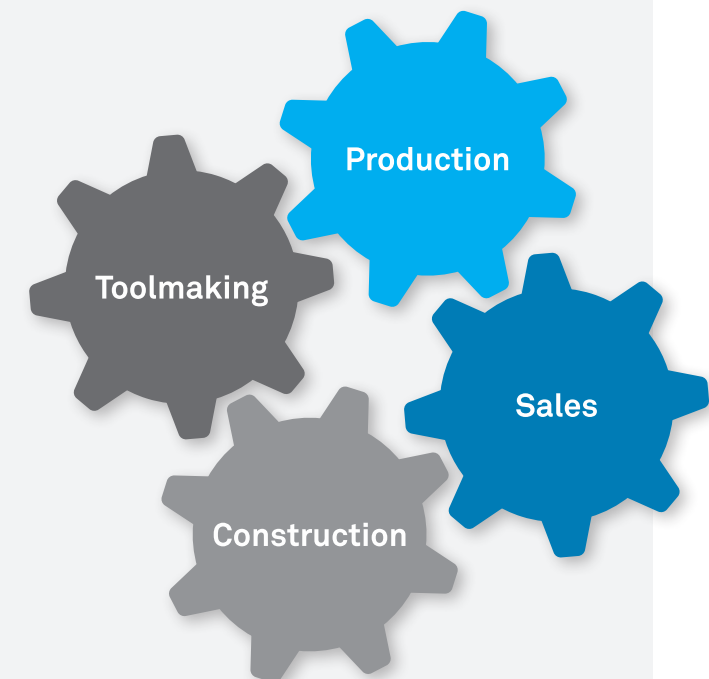
How we fill this slogan with life and what it means for our brand essence is also described in our mission and vision.

Our mission

We develop innovative reusable load carriers for sustainable logistics.

Our vision

Through volume-reducible load carriers, we make global logistics processes more efficient, save resources and actively contribute to the preservation of our planet. We embrace innovation, develop sustainable products and assume social responsibility. We are the leading specialist for customised reusable plastic load carriers. We set technical standards.

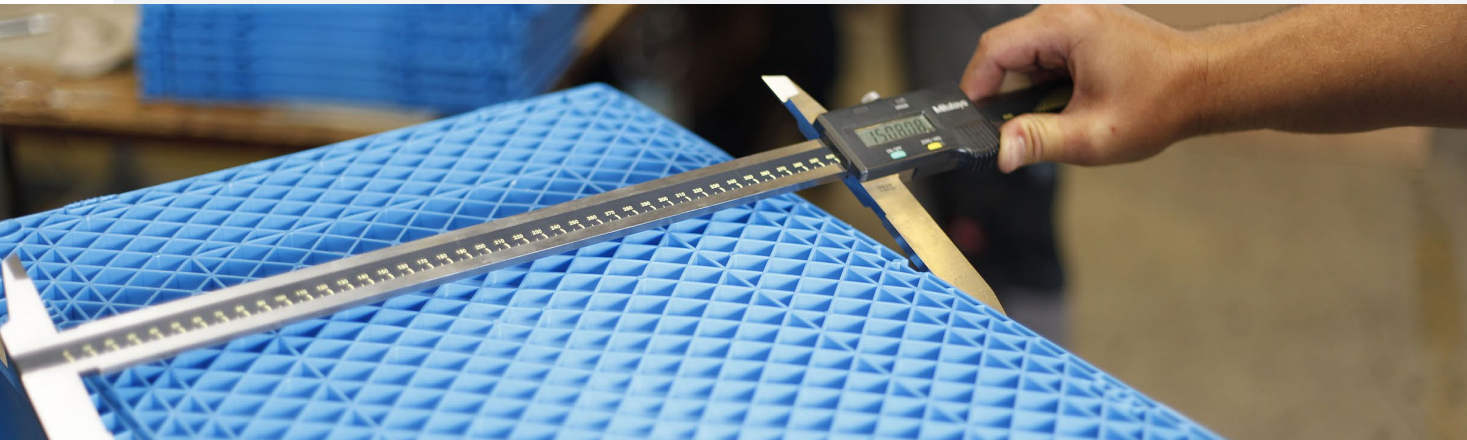


“ We continuously develop new ideas in order to optimise the logistics of our customers with new products. Due to the increasing digitisation and automation in packaging logistics, both our customers and we as manufacturers are faced with completely new challenges. New technologies also mean new possibilities and opportunities for innovative applications along the supply chain. We want to be your reliable partner to meet the challenges of the future.”

– Dominik Lemken, Managing Director

“ In order to meet the increasing demands of our customers and the logistics industry, we need a well-functioning, interdepartmental team. Through many joint projects with our customers, we keep our eyes firmly on the market. This integrated logistics approach, combined with individual customer requirements, with all its facets, allows us to develop unique customer solutions time and again.”

– Thomas Heilen, Managing Director



Responsibility and quality are the pillars of our work

We assume responsibility. Responsibility for the quality of our products, for our employees, for protecting the environment, for the responsible use of resources and for the satisfaction of our customers.

This requires a firmly embedded, integrated way of thinking and a shared understanding of quality. At the heart of this philosophy are committed and motivated employees who dedicate themselves to achieving our goals in their work every day. We have strong partners by our side. We maintain long-lasting and fair partnerships with our suppliers - reliability and good cooperation matter a great deal to us.

This philosophy is particularly evident in our understanding of customer relations. In close communication with our customers, we develop intelligent transport solutions that are not only tailored to their needs, but also meet the highest standards. For us, cooperation begins with the first contact and does not end after development - on the contrary, from finding ideas through to series production, WALTHER Faltsysteme will support you with the expertise of our entire team.

Quality

As early as 1994, WALTHER Faltsysteme introduced a quality management system according to ISO 9001. Today, our environmental and energy management are certified as well. Our integrated management system in accordance with the international standards ISO 9001, ISO 14001 and ISO 50001 helps us to continuously review and develop our processes.

This way, we ensure top quality in every single step of the process and have installed modern measuring devices as early as in the production process to monitor quality. In addition, we regularly have our products put through their paces by independent testing institutes. This way, we guarantee that there is more quality in your container than can be revealed by conventional quality control.

A high standard of quality can only be achieved as a team. We value our employees as our most valuable resource. We encourage personal development, offer regular training and development opportunities, work in offices with modern equipment and also offer numerous job benefits.

Corporate social responsibility

Ever since our company was founded, we have attached great importance to social responsibility - not only within the company, but also in our relations with our customers and suppliers. We have therefore used the opportunity of voluntary certification by the German Association of the Plastics Converters (Gesamtverband Kunststoffverarbeitende Industrie e. V., GKV) and thus take a stand on these important issues.

With this certification, we commit ourselves to comply with nationally and internationally applicable law, to refrain from any child labour, forced labour or discrimination and to ensure health and safety at the workplace as well as sustainable environmental protection.

In addition to voluntary certification, we are audited annually by the independent EcoVadis Institute. The "EcoVadis Award" recognises companies that act responsibly with regard to environment, labour and human rights, ethics, and sustainable procurement. We received the gold medal again in 2021, placing us among the top 5 percent of companies assessed by EcoVadis.



Our understanding of sustainability



We embrace sustainability

For us, sustainability is not just a fancy word. We breathe life into this term, because we view all our actions in terms of preserving resources and the environment.

Reusable and resource-friendly

That is why we do not supply disposable goods, but reusable quality. As early as in the design of the containers, we pay attention to a robust construction for a long service life, the reparability of individual components and easy recyclability. And we go even further: We permanently optimise the volume reducibility of our containers so that even more resources can be saved when returning the empty boxes. Our containers are in circulation for up to 20 years and save a lot of disposable packaging.

We pursue a particularly sustainable concept in our GREENLINE product line: With these folding boxes, we use up to 100 percent reclaimed material. Like all our folding boxes, these containers have a long service life of around 100 cycles. The reclaimed material can even be used for two to three further product life cycles after the recycling process. All this creates a cycle that saves resources and helps preserve our environment.

Green business

Sustainability is firmly anchored in our corporate mindset and applies to all our processes. One example is the modern building with in-house solar technology we work in and where we have been achieving new record values in greenhouse gas savings every year since 2011. Electricity that we cannot produce ourselves, we obtain from green sources - locally and from the region.

Still, for us this is only the beginning on our way to achieving our long-term goal of climate neutrality. We have taken a further step by changing the vehicle fleet for our employees to hybrid vehicles. These can easily be charged with green WALTHER electricity at our own charging stations.

These first steps will be followed by many other measures - starting with the recording of our corporate carbon footprint. After all, climate neutrality is one of the issues of the future that drives us and motivates us to become even better and to push even further. For sustainable production. For saving resources. For protecting the environment.

Sustainable production

In addition to modern, energy-efficient equipment, the responsible use of our resources is an important factor in sustainable production. That's why we recycle on a grand scale in our injection moulding production:

- ▶ We also rely on recycling within production – we recycle start-up parts or those out of tolerance.
- ▶ In production, we use recycled material, i.e. reprocessed plastics from household or commercial waste, whenever possible, for example from the "Yellow Bag", the German recycling bag.
- ▶ We take back all damaged and broken containers and turn the discarded products into reclaimed material, which we then use, for example, to produce new boxes for our GREENLINE series.

In everything we do, we always keep the protection of the environment in mind. That's why, when printing this catalogue, we made sure to use only FSC-certified paper and to offset the greenhouse gas emissions generated during printing.

More information on the climate initiative of the print and media associations at www.klima-druck.de.

Eco-label "Blauer Engel"

The "Blauer Engel" or "Blue Angel" is the environmental seal of the Federal Ministry for the Environment and identifies particularly sustainable products. We received our first environmental seal back in 1985. While 40 years ago the aim was to tackle the flood of waste, the focus today is on climate protection.

By now, every folding box from WALTHER has been awarded the "Blue Angel" - their reusability is the reason why. Because our reusable plastic boxes not only avoid any packaging waste during use, they are also in circulation for decades and are then recycled and re-manufactured into new containers again.



www.blauer-engel.de/uz27

Our production



The complete supply chain from a single source

We have been manufacturing our plastic products at Formex in Kevelaer since 1978. Together we designed and manufactured the first folding box. Even more than 40 years later, our cooperation is still working perfectly: WALTHER Faltsysteme develops the ideas, Formex handles production.

Today, the two companies are closely linked not only personally but also on an organisational level. Together we offer the complete supply chain under one roof, from the first idea for a reusable product to series production in the millions, and as a team we will continue to inspire the market with innovative reusable solutions!

Cooperation creates synergies and always brings positive effects, especially for our customers. The cooperation between Formex and WALTHER Faltsysteme very effectively matches customer wishes and requirements to the technical possibilities offered by plastic as a material for reusable load carriers. Our communication channels are short - thanks to our own toolmaking department, alterations can be implemented quickly and we can respond to changes without delay.

Innovation

We stand for creative ideas and new logistics solutions. We can draw on our wealth of experience gained in 40 years of successful work and our knowledge of markets and mechanisms. The right mix of experience and dynamism is our recipe for success.

Time-to-market

With integrated teams from the areas of sales, design, construction, toolmaking and production, ideas can be tested and implemented both very quickly and comprehensively. This allows know-how from all areas to be incorporated into further considerations and detailed planning.

Quality

Our principle of "everything from a single source - from the initial idea to the finished series container" reduces inefficiencies and teething troubles and maximises performance for our customers.

State-of-the-art equipment

We use state-of-the-art injection moulding machines and high-end injection moulding tools to produce high-quality and durable load carriers. This means we can supply customers with as many as several million containers a year.

Our moulds are based on a sophisticated modular design that allows us to adapt our products to customer requirements. This facilitates a wide variety of configurations so that the load carrier meets all requirements.

In production, robots and peripheral equipment ensure the automated handling of the individual parts. There are complex links between these systems: From fully automated assembly to synchronised production of all necessary components for a product, we have established a number of processes. Quality testing is firmly integrated in these processes. The production process, for example, integrates automatic inspection of the labels with scanners or monitoring of the printing by means of a camera.

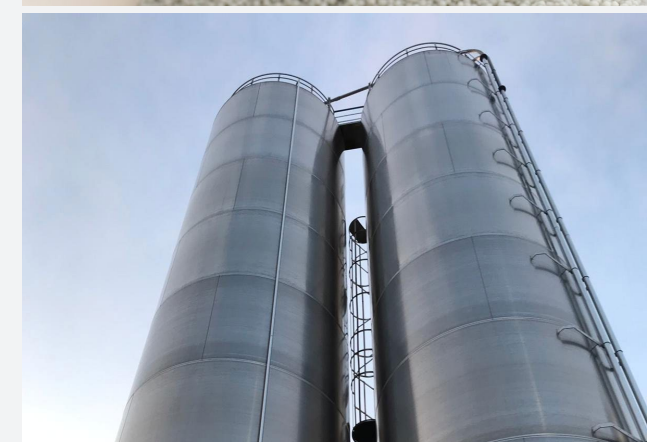
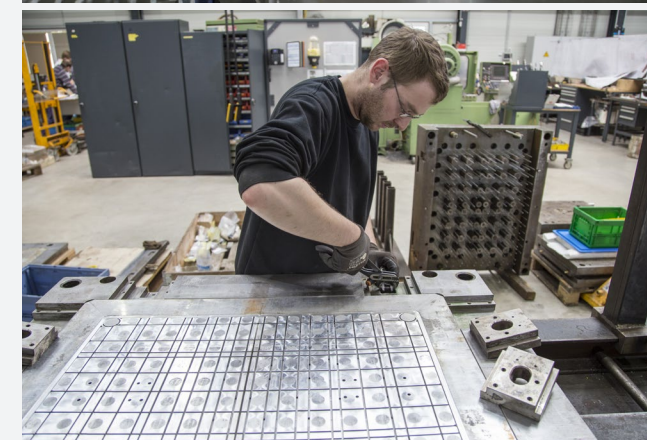
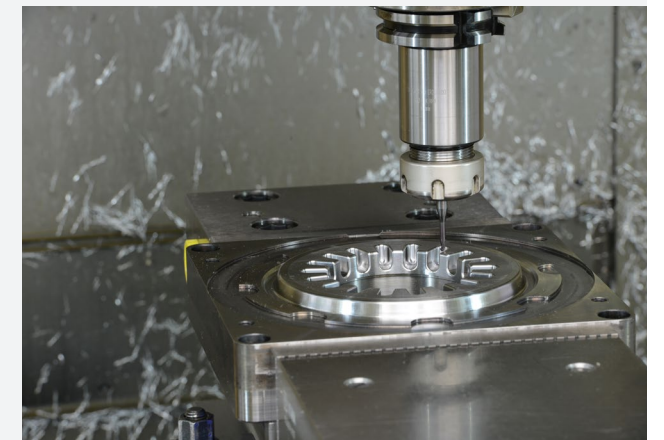
In addition, we use special software for injection moulding tools to digitally record and monitor machine data in real time. This allows the status of the moulds to be viewed at any time in order to proactively control the processes.

Particularly in energy-intensive production, we also consider saving resources and use state-of-the-art servo-hydraulic machines from ENGEL. Their ecodrive concept and the electric dosing unit drive considerably reduce energy consumption in production. That way, the machines make a significant contribution to sustainable and efficient production.

Granulate storage

Plastic granulate is the most important raw material for our products. The Formex premises include ten large silos with a height of 25 metres - and a total capacity of 2,000 tonnes. This ensures the necessary planning reliability for both us and our customers. And even if there is a shortage of raw materials or supply bottlenecks, production is always secured.

From the silos, kilometre-long pipe systems convey the granulate to the injection moulding plant. This is not only efficient, but also environmentally friendly, as no granulate is emitted into the environment.



Your requirements



Together we will find **your reusable load carrier**

Every customer has specific challenges and requirements in their logistics process. With every new project, the first question we ask ourselves is therefore:

What does your load carrier need to be able to do?

Do you need a load carrier you can use to transport and safely pack your goods? We offer a range of folding or collapsible boxes, large containers or trays. Depending on the intended use, the load carrier should have different properties - for example, it should be particularly easy to clean for food transport or made of a special material for sensitive electronic components.

Is a particularly good volume reduction of the load carriers for return transport a top priority? Our products can be safely stacked when full or empty. Volume reductions of up to 80 per cent are a standard feature of our products.

Do you need to transport goods? Do you want to navigate them conveniently through your warehouse or a branch on castors? We offer various dollies and containers for this purpose - with various castors and brakes.

Or do you need to transport different products in one container? Then there are various possibilities to separate them with the right container interior.



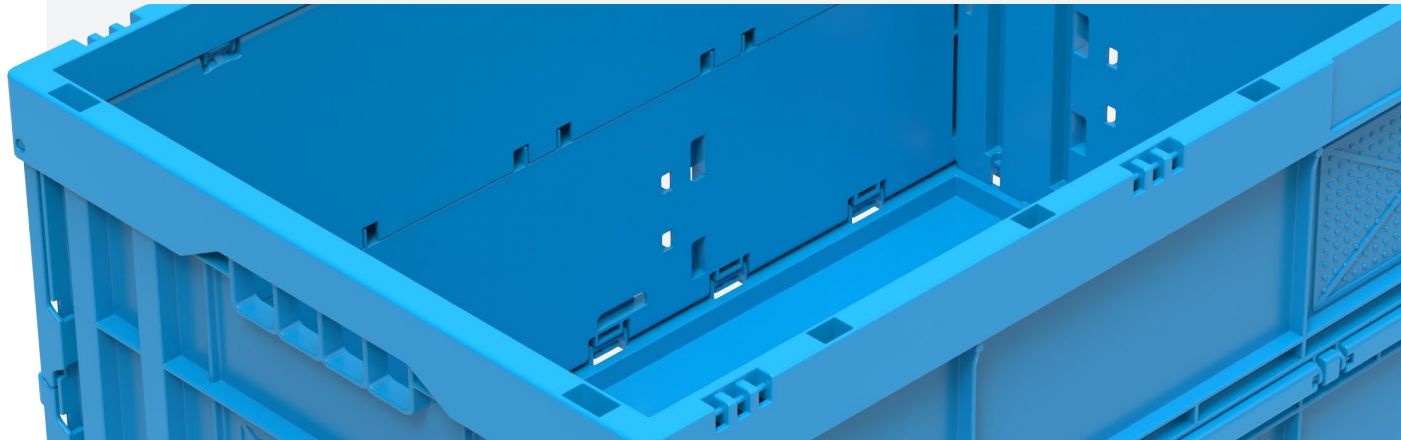
The next question is whether you also need a lid - and which type is the right one. In our range, we offer permanently attached lids, hinged lids or drop-on lids that rest on top of the container.

Finally, you should also consider the question of how to mark your reusable load carrier - an essential step for the automation of logistics processes. For this purpose, we also offer various options from in-mould labels to RFID tags.

Of course, there is also the option of customising containers with your company logo or other printing.

You see, there are numerous decisions to be made for your reusable load carrier. Fortunately, we already have a varied product range that allows us to meet a wide range of requirements.

Perhaps there is also a reusable load carrier for your requirements?



What is so special about our **folding boxes**?

In 1978 WALTHER Faltsysteme folded the first reusable containers. Since then, our container specialists have been renowned as the experts in the foldable plastic box market. Our success is based on the right fold: whether lengthwise or crosswise, with a hinge or without. This is largely defined by our customers' requirements. Individual solutions instead of simple off-the-peg sales: This is the guiding principle behind our development of storage and transport containers for international logistics markets, helping us to come up with a comprehensive range for trade and industry. Our reusable containers are an ideal accessory for dynamic and efficient logistics.

Cost reduction

The volume reduction of the containers when empty by up to 80 percent saves storage and transport costs and makes their use economical.

Utilisation of space

The majority of the containers is matched to the standard pallet dimensions of 1,200 x 800 mm or 1,200 x 1,000 mm and makes the best possible use of the available space.

Safety

The robust design of the containers, a variety of lids, sealing and individual marking of the containers offer safety for your products.

Versatility

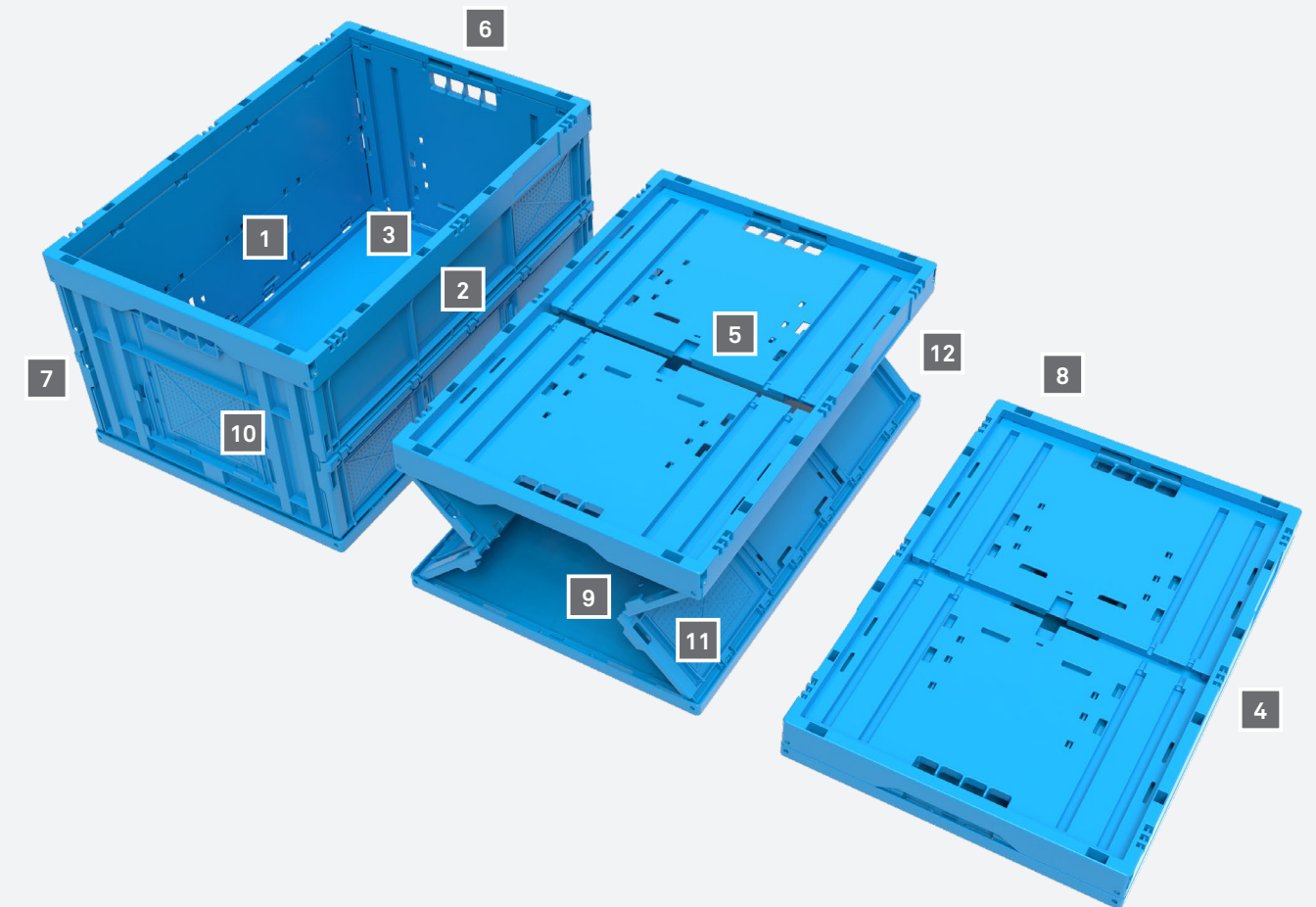
Models for special requirements and various options for individual adaptation solve almost every packaging problem.

Handling

Our containers can be easily and quickly folded and unfolded, providing ergonomic benefits.

Saving resources

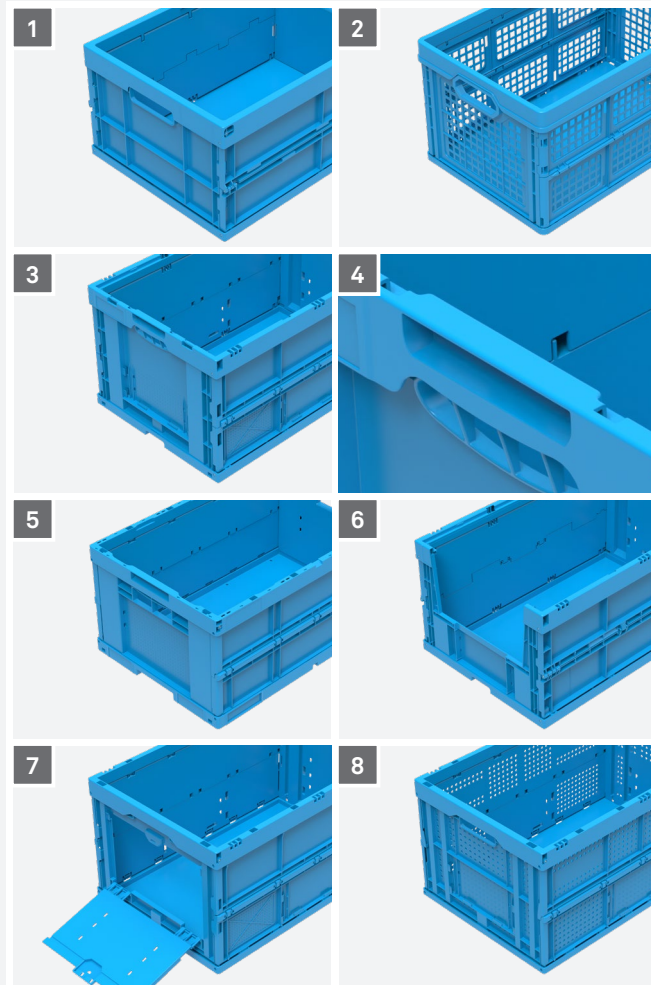
Our containers are in circulation for years or even decades. And once they have reached the end of their service life, all containers produced by WALTHER Faltsysteme can be returned. These will then be recycled and, for example, reused in GREENLINE products.



Properties

- ▶ material: polypropylene (PP)
- ▶ colour: blue (similar to RAL 5015)
- ▶ Euronorm sizes
- ▶ high volume reduction for return of empties
- ▶ easy cleaning thanks to smooth interior surfaces [1]
- ▶ closed side walls [2]
- ▶ base without ribs [3]
- ▶ frame can be fitted with hinged lid [4]
- ▶ front parts can be fitted with front part safety clips [5]
- ▶ ergonomic handles [6]
- ▶ extra strong ribs on the exterior wall for high stability [7]
- ▶ high stability in stacks due to extra high stacking rim [8]
- ▶ robust hinges for long service life [9]
- ▶ nubbed fields for adhesive labels [10]
- ▶ holding fixtures for label holders/frames [11]
- ▶ protected label fields [12]

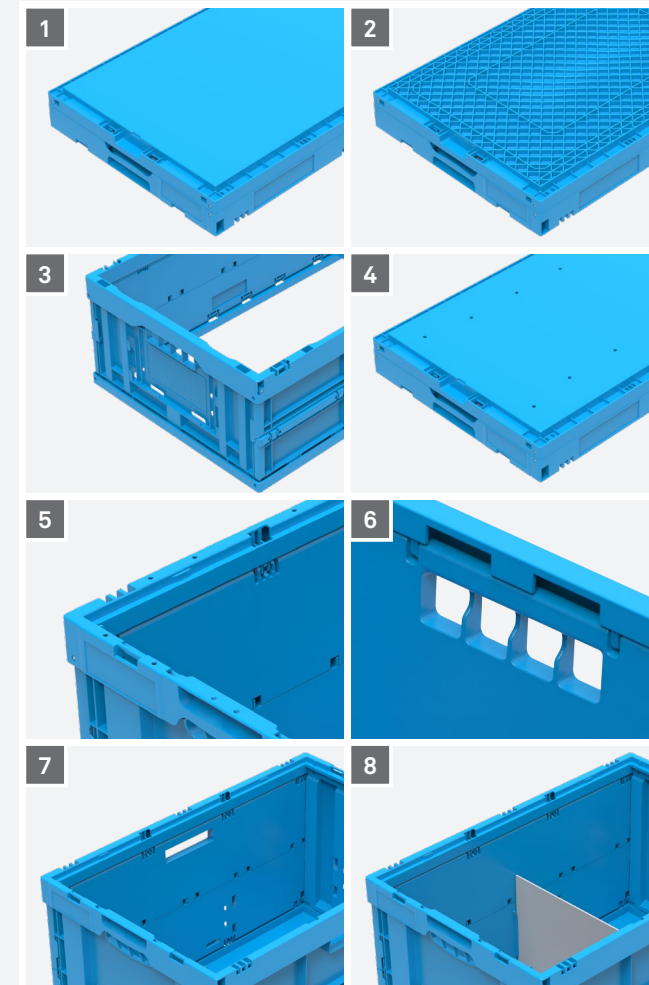
Folding boxes and accessories



Special requirements

Every customer has individual requirements for "their" box. Our standard range includes numerous different versions of our classic folding box. We offer various dimensions and custom sizes - from 400 x 300 x 220 mm to 800 x 600 x 445 mm. Our boxes are available with closed or perforated side walls, with removal opening or flap. We also offer boxes specially designed for the e-commerce sector or for particularly heavy goods.

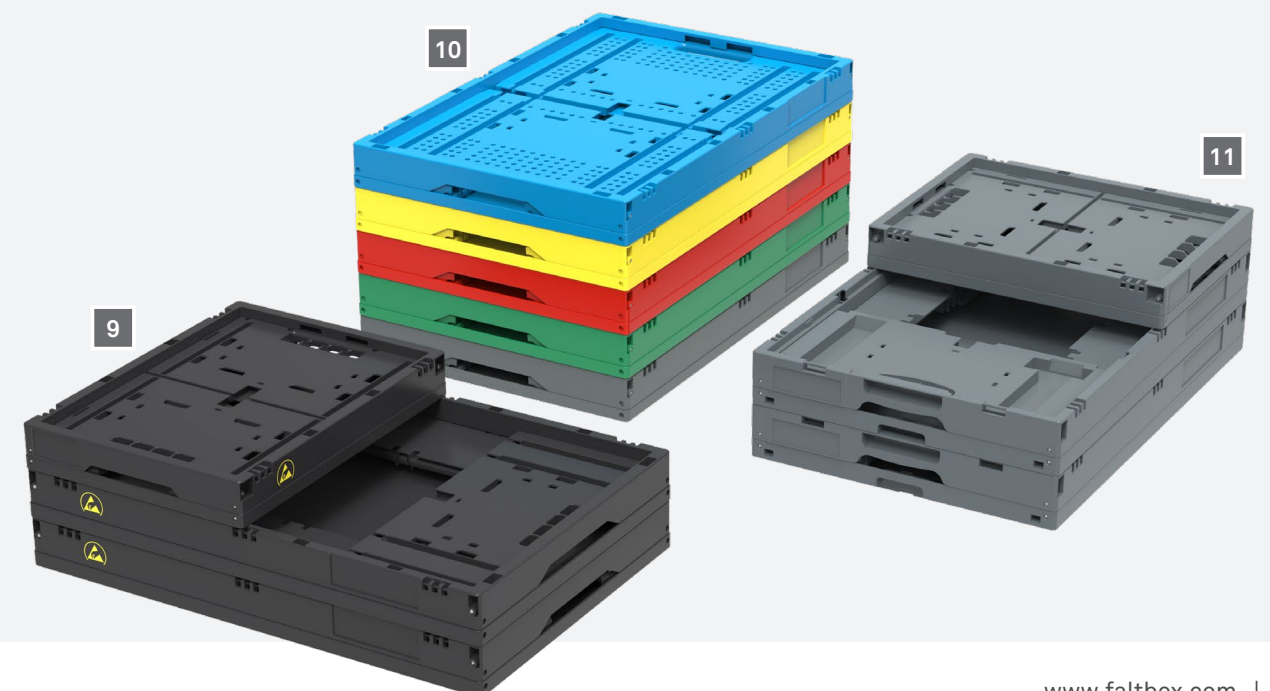
- ▶ folding boxes in custom sizes, if Euronorm dimensions don't fit [1]
- ▶ lightweight folding boxes for the delivery of goods to your end customer [2]
- ▶ "heavy duty" folding boxes for the transport of particularly heavy goods [3]
- ▶ folding boxes with gripper recesses in the base and frame for automated unfolding [4]
- ▶ specialised folding boxes for fully automated storage systems [5]
- ▶ removal opening on one side in the front part of the folding box [6]
- ▶ removal flap on one side in the front part of the folding box [7]
- ▶ folding box with perforated front and side parts [8]



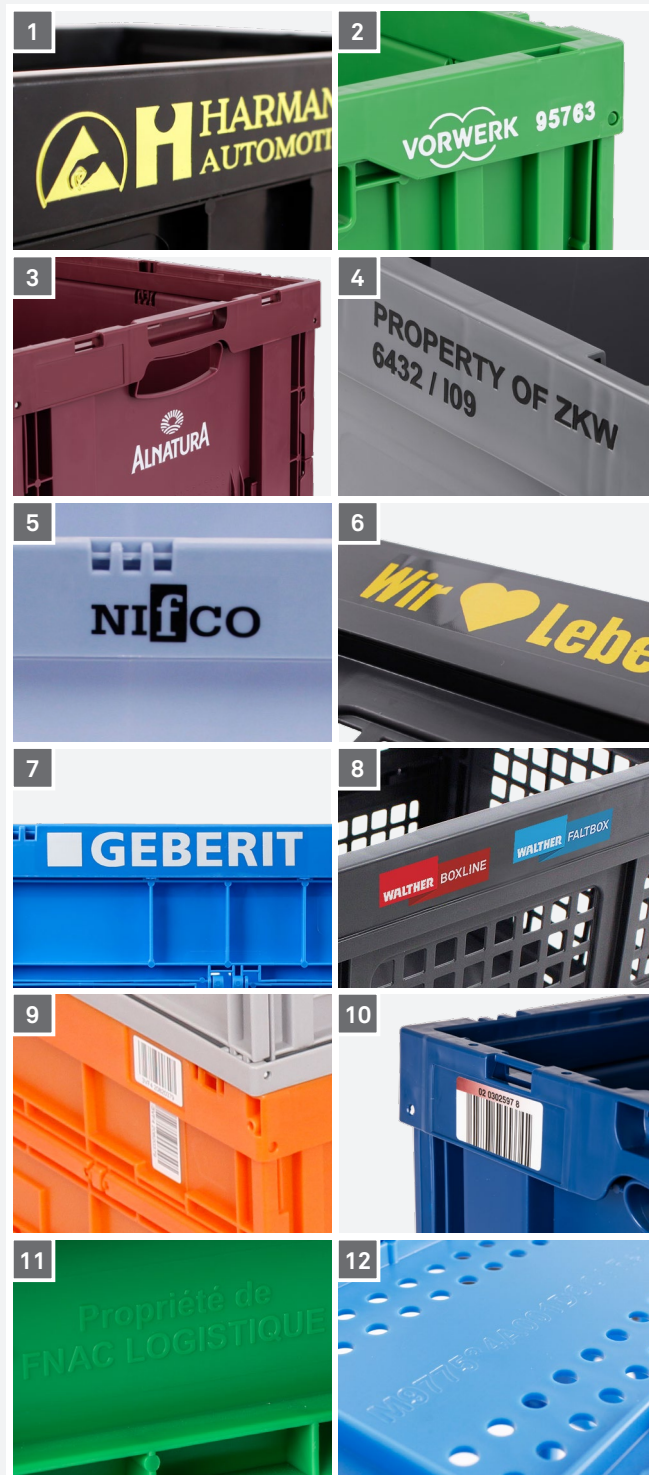
Options

There is a number of options to customise our boxes and adapt them to your requirements. This starts with the choice of material and doesn't stop with the colour. In addition to our standard boxes made of polypropylene, you can also choose ones made from mostly reclaimed material or from conductive ESD. We also offer various options in the design of the item, for example different base variants, some of which are specially designed for conveyor belts. Our range of handles also includes several options.

- ▶ GREENLINE: reclaimed material [11]
- ▶ ESD: conductive material [9]
- ▶ different product colour [10]
- ▶ different base design
 - tray base [1]
 - ribbed base [2]
 - folding frame [3]
- ▶ drain holes
 - in the base [4]
 - in the frame [5]
- ▶ different handle designs [6]
- ▶ additional handle on the long side [7]
- ▶ guide rail to subdivide the interior using a divider [8]



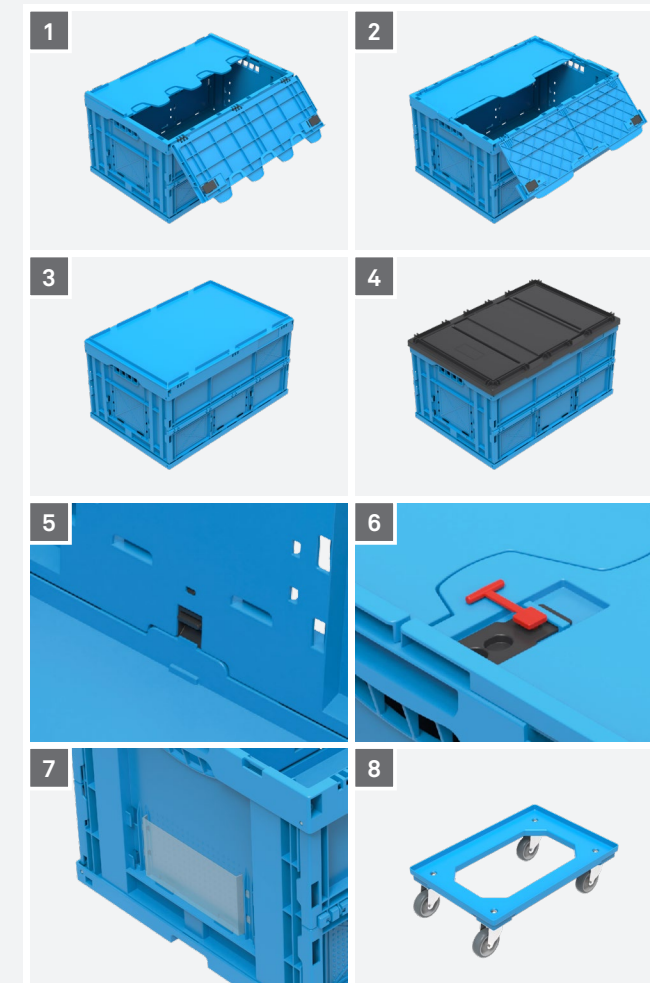
Folding boxes and accessories



Identification

Turn our box into your box. There are no limits to your imagination: From your logo to a customised text - we put your idea on the box. For this we offer a range of different techniques - whether printing, labelling or embossing. We will be happy to advise you individually on the various possibilities.

- ▶ one-colour printing
 - hot-foil stamping [1] [2] [3] [4]
 - transfer foil printing [5] [6]
 - screen printing [7]
- ▶ multi-colour printing
 - decorative foil printing [8]
- ▶ barcode label
 - in-mould label [9]
 - adhesive label [10]
- ▶ decorative label
 - in-mould label
 - adhesive label
- ▶ relief embossing [11]
- ▶ cold embossing [12]



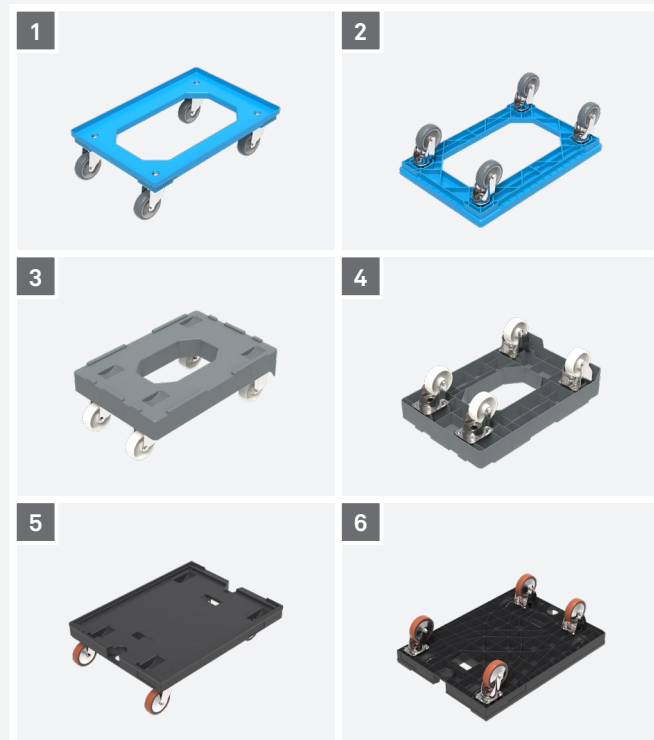
Accessories

With our accessories you can add a finishing touch to your box. For all boxes you can get different lid versions - permanently mounted, drop-on or hooded lids. You can additionally secure the folding boxes and the goods transported in them with various safety devices. Label holders in various designs and sizes support you in flexibly marking the contents. And our dollies in a range of base sizes also make handling WALTHER folding boxes easier.

- ▶ drop-on hinged lid [1] [9]
- ▶ inside hinged lid [2] [9]
- ▶ drop-on lid [3]
- ▶ hooded lid [4]
- ▶ front part safety clips [5]
- ▶ snap-off seals [6]
- ▶ label holders/frames [7]
- ▶ dollies [8]

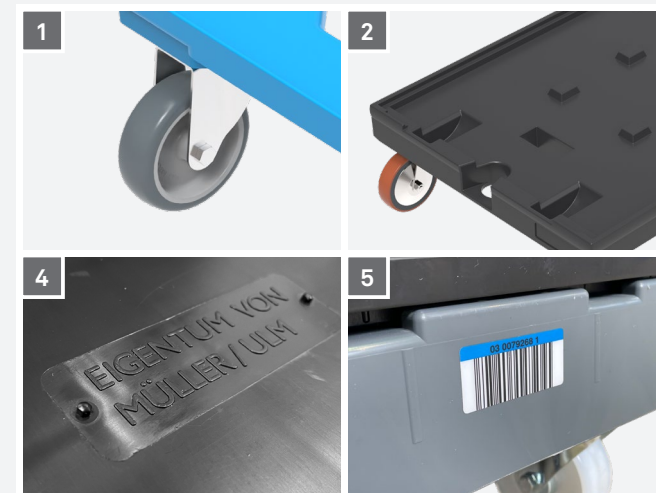


Folding boxes and accessories



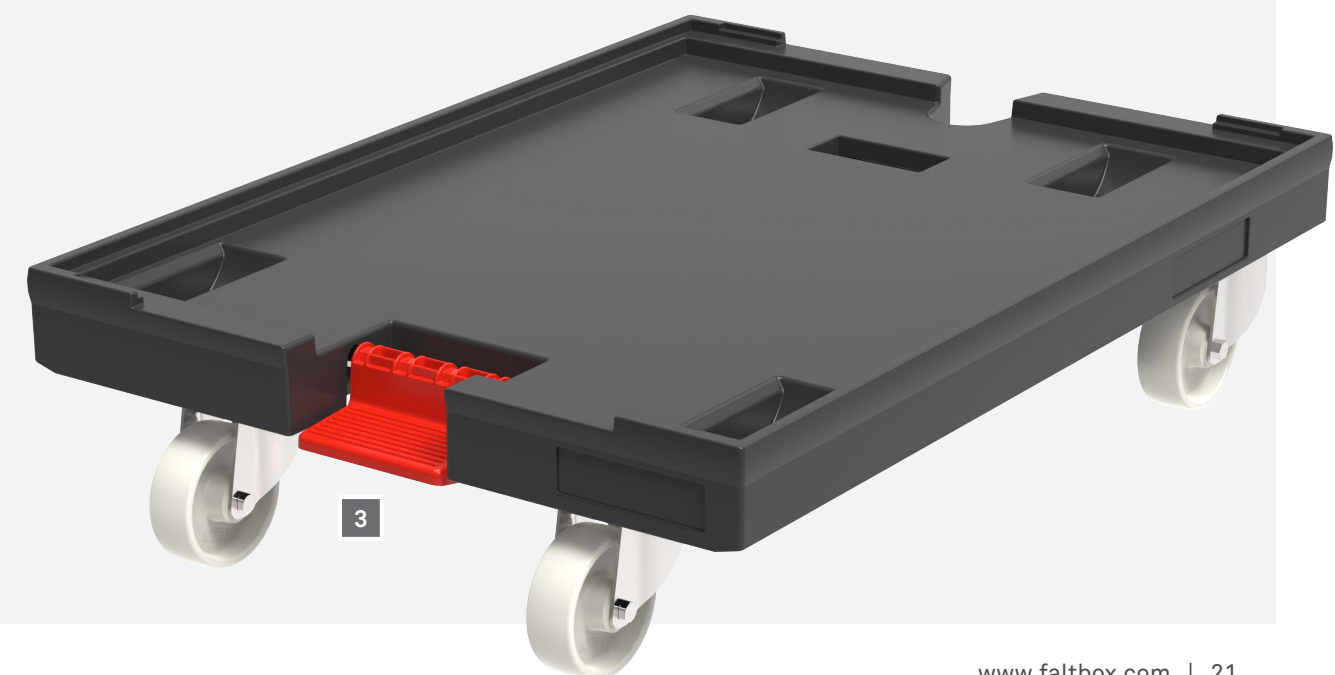
Dollies

- ▶ Dolly RW 6410 V1 [1] [2]
 - material: ABS
 - compatible with all folding boxes with the base sizes 400 x 300 mm and 600 x 400 mm
 - wrap-around edge for secure positioning of the container and as a bumper
 - castors
 - four swivel castors
 - diameter: 100 mm
 - bolt hole screw connection
 - material: PP castor body with low-noise wheel tread (TPE); galvanised-steel castor suspension
- ▶ Dolly RW 6420 [3] [4]
 - material: polypropylene (PP)
 - compatible with all folding boxes with the basic measurements 400 x 300 mm and 600 x 400 mm
 - wrap-around edge for secure positioning of the container and as a bumper
 - wheel recesses for secure stacking of empty dollies
 - protected label fields on all four sides
 - castors
 - two swivel castors, two fixed castors
 - diameter: 100 mm
 - material: PA castor body with low-noise, abrasion-resistant wheel tread, galvanised-steel castor suspension
- ▶ Dolly RW 8620 V1 [5] [6]
 - material: polypropylene (PP)
 - compatible with all folding boxes with the base sizes 400 x 300 mm, 600 x 400 mm and 800 x 600 mm
 - wrap-around edge for secure positioning of the container and as a bumper
 - wheel recesses for secure stacking of empty dollies on top of each other
 - protected label fields on all four sides
 - ergonomic handles
 - eyelets for tow bars and similar at the front end
 - castors
 - two swivel castors, two fixed castors
 - diameter: 125 mm
 - material: low-noise, soft wheel tread; galvanised-steel castor body and castor suspension



Options

- ▶ different product colour
- ▶ different castors available [1]
 - two swivel castors, two fixed castors
 - four swivel castors
 - swivel castors with arresting device
 - different castor diameters
 - other materials
- ▶ nubs for stacking folding boxes with the base size 400 x 300 mm [2]
- ▶ dolly with central locking brake [3]
- ▶ marking
 - printing
 - relief embossing [4]
 - in-mould labels and adhesive labels [5]
 - RFID tag



Folding boxes and accessories



The “Müller tower” in operation

In Müller's small department stores, well over 100,000 different products - ranging from mascara to children's bicycles - have to be transported from the central warehouse in Ulm to the more than 800 German and foreign branches.

In order to supply the growing number of branches quickly and effectively, Müller introduced automated order picking in 2006. Müller switched from the previously used bin containers to WALTHER folding boxes. Based on the shipping tower presented by the department store, WALTHER developed a custom-made Müller structure.

With the combination of folding boxes and folding frames in only two base sizes, as well as dollies and hooded lids, almost all Müller articles have been arriving at the branches in the so-called "Müller towers" ever since - and picked exactly in such a way that the employees on site can assign all towers to defined branch areas and categories of goods. Orange boxes are designed for the transport of standard products, the yellow ones for post and the red ones for hazardous goods. These goods are particularly protected by their hinged lids.

The light grey boxes are folding frames or collars, i.e. they have a removed base, and thus double the usable interior space of the box underneath in order to be able to transport larger items.

In addition to the colours, picking is supported by a range of markings: An in-mould label is placed on the frame and the upper side part to clearly identify the boxes with two scanner orientations. Of course, the Müller logo must be clearly legible - hot-foil embossed on the frame and front part. The safety instructions are also hot-foil embossed on the front part of the dangerous goods box.

Another special Müller feature: Several dollies with different folding boxes can be safely stacked on top of each other in a double stack - for this purpose, the lids have special stacking grooves on which even loaded dollies can stand safely without any risk of slipping.

The result of the Müller tower: The distances for stocking are shorter and filling the shelves is faster - an enormous gain in time, which can now be used for customer service.



Folding boxes in use at FNAC

France's largest multimedia and consumer electronics retailer FNAC uses WALTHER folding boxes in its supply chain to deliver to all of its 750 branches.

The decision to abandon single-use packaging in favour of sustainable reusable packaging was based on two main reasons: FNAC wanted to avoid packaging waste in the branches as well as damage during transport. Further requirements of the customer: easy handling on dollies and goods tracking via scanners.

That is why we developed an individual handling tower for shipping. Today, FNAC uses three different folding boxes in different colours and can clearly sort the goods into the three groups DVDs, books and technical products.

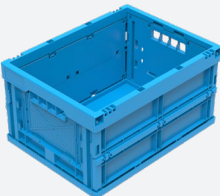
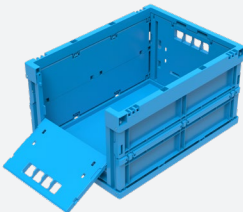

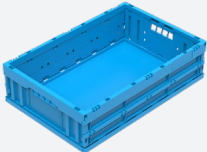
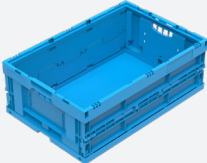
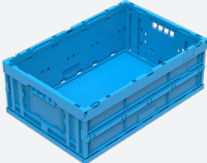
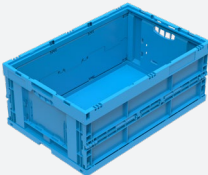
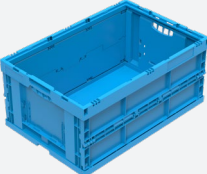
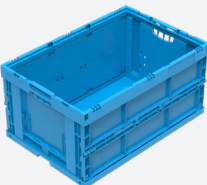
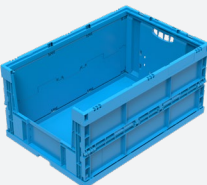
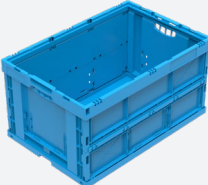

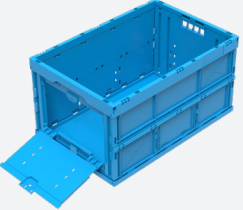
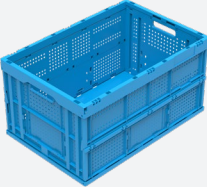
Both the folding boxes and the dolly are marked with barcode labels. These guarantee the traceability of the goods and smooth logistics between the central warehouse and the branches. The containers travel through the warehouse via conveyor systems and are then loaded onto the dollies with a base size of 600 x 400 mm by robots.

All boxes are matched to each other so that even different sizes can be safely stacked on top of each other on the dolly. Due to the relatively small base size, the handling towers can also be used in the narrow aisles of the branches up to the point of sale.

Since the introduction of the individual handling tower, FNAC has not only been able to save a lot of packaging waste, but has also been able to significantly reduce transport costs through the volume reduction of the foldable containers.

Folding boxes and accessories

Folding boxes

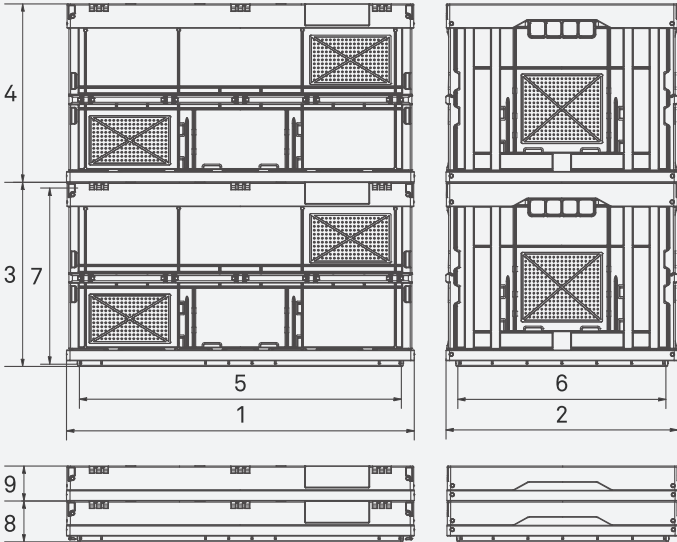
400 x 300 mm			
			
4322 V1	4322 V1 K	4322 V1 L	
600 x 400 mm			
			
6417 V1	6422 NG	6422 V1	6426 NG
			
6428 NG	6430 NG	6430 NG E	6432 NG
			
6432 V1	6432 V1 K	6432 V1 L	

- E
- with removal opening at front end
- K
- with removal flap at front end
- L
- perforated side walls
- NG
- second product line, "heavy duty"
- V1
- third product line, successor of the first line

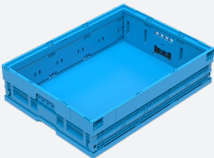
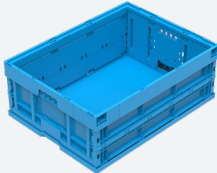
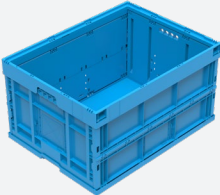


	exterior length (mm, nom.)	exterior width (mm, nom.)	exterior height (mm, nom.)	exterior height when stacked (mm, nom.)	usable interior length (mm, approx.)	usable interior width (mm, approx.)	usable interior height when stacked (mm, approx.)	usable volume when stacked (litres, approx.)	tare weight (kg, approx.)	max. load capacity (stat., kg)	max. superimposed load (stat., kg)	exterior height when folded (mm, nom.)	exterior height when folded and stacked (mm, nom.)	volume reduction when stacked (% , approx.)
400 x 300 mm														
4322 V1	400	300	220	210	360	260	205	19	1.3	25	100	65	55	74
4322 V1 K	400	300	220	210	360	260	205	19	1.3	25	100	65	55	74
4322 V1 L	400	300	220	210	360	260	205	19	1.2	25	100	65	55	74
600 x 400 mm														
6417 V1	600	400	170	160	555	355	150	30	1.9	60	250	70	60	63
6422 NG	600	400	220	210	555	355	205	40	2.3	60	250	80	70	67
6422 V1	600	400	220	210	555	355	205	40	2.3	60	250	70	60	71
6426 NG	600	400	260	250	555	355	245	48	2.4	60	250	80	70	72
6428 NG	600	400	280	270	555	355	265	52	2.7	60	250	80	70	74
6430 NG	600	400	300	290	555	355	285	56	2.6	60	250	80	70	76
6430 NG E	600	400	300	290	555	355	285	56	2.5	60	250	80	70	76
6432 NG	600	400	320	310	555	355	305	60	2.9	60	250	80	70	77
6432 V1	600	400	320	310	555	355	305	60	2.6	60	250	70	60	81
6432 V1 K	600	400	320	310	555	355	305	60	2.6	60	250	70	60	81
6432 V1 L	600	400	320	310	565	370	290	61	2.9	60	250	70	60	81

Technical specifications

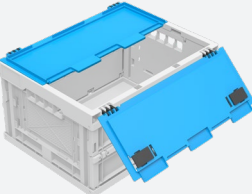
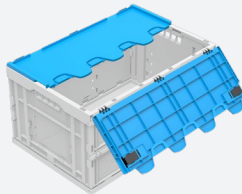
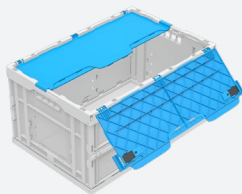
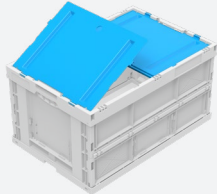

- 1
- exterior length (mm, nom.)
- 2
- exterior width (mm, nom.)
- 3
- exterior height (mm, nom.)
- 4
- exterior height when stacked (mm, nom.)
- 5
- usable interior length (mm, approx.)
- 6
- usable interior width (mm, approx.)
- 7
- usable interior height when stacked (mm, approx.)
- 8
- exterior height when folded (mm, nom.)
- 9
- exterior height when folded and stacked (mm, nom.)



Folding boxes and accessories

800 x 600 mm			
			
8622 V1	8632 V1	8645 V1	
Custom size			
			
4324	5328 V1		

Accessories

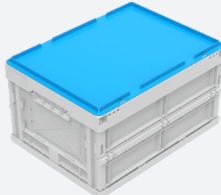
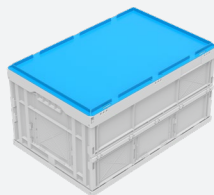
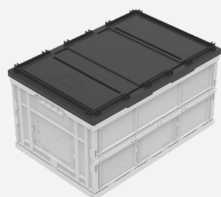
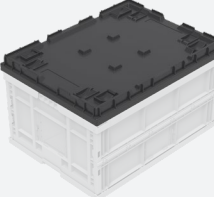




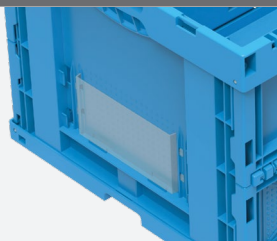
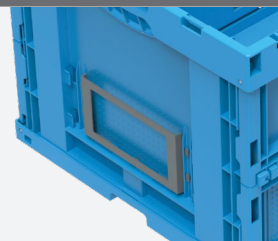
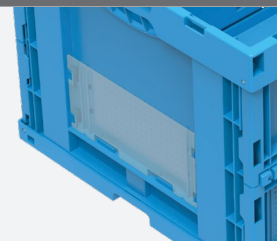
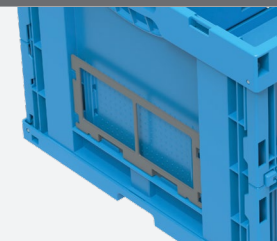
Hinged lid			
			
43 DL	64 DL	64 IDL	64 IDS
			
86 DS			

- DL
- drop-on hinged lid mounted on long side
- DS
- drop-on hinged lid mounted on front end
- IDL
- inside hinged lid mounted on long side
- IDS
- inside hinged lid mounted on front end
- V1
- third product line, successor of the first line

	exterior length (mm, nom.)	exterior width (mm, nom.)	exterior height (mm, nom.)	exterior height when stacked (mm, nom.)	usable interior length (mm, approx.)	usable interior width (mm, approx.)	usable interior height when stacked (mm, approx.)	usable volume when stacked (litres, approx.)	tare weight (kg, approx.)	max. load capacity (stat., kg)	max. superimposed load (stat., kg)	exterior height when folded (mm, nom.)	exterior height when folded and stacked (mm, nom.)	volume reduction when stacked (% , approx.)
800 x 600 mm														
8622 V1	800	600	220	195	740	540	175	70	5.4	150	450	130	105	46
8632 V1	800	600	320	295	740	540	275	110	6.2	150	450	130	105	64
8645 V1	800	600	445	420	740	540	400	160	7.2	150	450	130	105	75
Custom size														
4324	480	350	240	230	450	320	220	32	1.6	25	75	70	60	74
5328 V1	530	350	285	275	500	320	265	42	1.5	15	100	58	48	83

	exterior length (mm, nom.)	exterior width (mm, nom.)	exterior height of the folding box (mm, nom.)	exterior height of the folding box when stacked (mm, nom.)	usable interior height of the folding box when stacked (mm, approx.)	tare weight (kg, approx.)
Hinged lids						
43 DL	400	300	+10	+10	±0	+0.3
64 DL	600	400	+10	+10	±0	+0.7
64 IDL	600	400	±0	±0	-10	+0.7
64 IDS	600	400	±0	+2	-8	+0.5
86 DS	800	600	+10	+25	-10	+1.6

Folding boxes and accessories

Drop-on lid			
			
43 DA	64 DA		
Hooded lid			
			
64 SD	86 SD		
Front part safety clips			
			
64 STS	64 STS Z	86 STS	86 STS Z
Label holders/frames			
			
A6-EH	A6-ER	A5-EH	A5-ER

- DA drop-on lid
- EH label holder, translucent
- ER label frame
- SD hooded lid
- STS front part safety clip
- Z shackle / drag rope

	exterior length (mm, nom.)	exterior width (mm, nom.)	exterior height (mm, nom.)	exterior height when stacked (mm, nom.)	tare weight (kg, approx.)	max. superimposed load (stat., kg)
Drop-on lids						
43 DA	400	300	25	15	0.4	-
64 DA	600	400	30	15	0.6	-
Hooded lids						
64 SD	606	406	40	20	0.8	-
86 SD	807	608	74	44	3.0	250
Front part safety clips						
64 STS	40	25	10	-	-	-
64 STS Z	40	25	60	-	-	-
86 STS	120	75	20	-	-	-
86 STS Z	120	75	80	-	-	-
Label holders/frames						
A5-EH	210	100	8	-	-	-
A5-ER	210	100	8	-	-	-
A6-EH	175	80	10	-	-	-
A6-ER	175	80	10	-	-	-

Folding boxes and accessories

Snap-off seals



E-SP

Dollies



RW 6410 V1



RW 6420



RW 8620 V1

	exterior length (mm, nom.)	exterior width (mm, nom.)	exterior height (mm, nom.)	exterior height when stacked (mm, nom.)	tare weight (kg, approx.)	max. load capacity (dyn., stat., kg)	entry height when stacked (mm, approx.)
Snap-off seals							
E-SP	45	25	15	-	-	-	-
Dollies							
RW 6410 V1	612	412	171	151	3.5	300	125
RW 6420	600	400	206	180	4.7	250	125
RW 8620 V1	800	600	223	160	7.7	500	150

E-SP snap-off seals
RW dollies

Technical specifications

- 1

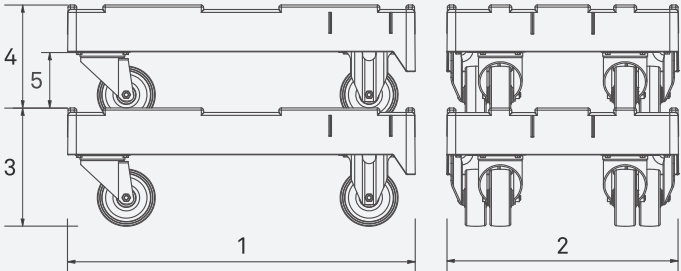
exterior length (mm, nom.)
- 2

exterior width (mm, nom.)
- 3

exterior height (mm, nom.)
- 4

exterior height when stacked (mm, nom.)
- 5

entry height when stacked (mm, approx.)



Mega-Packs and Hyboxes



What is so special about our Mega-Packs and Hyboxes?

Foldable plastic pallet boxes are the alternative to metal mesh boxes and pallet cardboard boxes. Compared to metal, they are much lighter and save more space, especially during return transport. Their durable and ergonomic design ensures easy and uncomplicated handling. Our Mega-Packs and Hyboxes are ideal for large-volume items. The use of individual compartments also allows the stable and shock-proof transport of several smaller parts.

Sustainable

The Mega-Packs and Hyboxes are reusable and, thanks to their high stability, can be used for many years - in the long run, this makes them more sustainable than cardboard boxes. As a result, Mega-Packs can save a large share of the CO₂ emissions - why don't we take a closer look at your specific application together?

Space-saving

Simply fold the support sleeve and place it between the pallet and the lid to save space - this reduces the volume by approx. 75 percent. With a height of only approx. 250 millimetres, the folded unit consisting of pallet, sleeve and lid ensures maximum space utilisation when stacked on top of each other. Saving space this way optimises the return of the packaging and makes your logistics even more efficient.

Versatile

More than 20 Mega-Pack versions offer you all standard base sizes with different load capacities. The Hyboxes provide perfect product and hygiene protection for sensitive goods.



Customised

The support sleeves can be fully customised. From its height, to optional removal openings with different locking mechanisms, to printing or label pockets, we can customise the sleeve specifically to your requirements. The pallets and lids can also be modified or printed.

Mega-Packs or Hyboxes?

There is no general answer to whether a Mega-Pack or a Hybox is ideal for your requirements. There are strong arguments in favour of both systems - we will be happy to advise you.

Properties

- ▶ locking mechanism in lid and pallet [1]
- ▶ handles in the lid [2]
- ▶ stacking grooves in the lid for slip-proof stacking [3]
- ▶ banding grooves in the lid [4]
- ▶ stable, foldable PP support sleeve in different heights [5]
- ▶ removal opening on the long side allows simple and ergonomic removal of the content [6]
- ▶ locking of the open removal flap [7]
- ▶ robust foot pallet with low tare weight and high weight-bearing capacity, nestable and accessible from all sides, optionally with reinforcement for high bay racking [8] or as a pallet with runners [8]

Mega-Packs and Hyboxes



Mega-Packs and Hyboxes in comparison

- ▶ Mega-Packs [1]
 - Our foldable pallet box Mega-Pack offers a wide range of base sizes. The deep-drawn pallets and lids are available in a wide range of base sizes from 800 x 600 mm up to our largest unit measuring 2,250 x 1,200 mm. Due to their design with feet, the robust pallets are accessible from all sides and have a high load-bearing capacity despite a low tare weight. Precisely fitting recesses in the lids ensure the next Mega-Pack unit can be stacked on top without slipping.
- ▶ Hyboxes [2]
 - Our Hybox with the base sizes 1,200 x 800 mm or 1,200 x 1,000 mm features injection-moulded pallets and lids. All surfaces are closed and smooth, making cleaning easy. This is of particular importance in hygienically sensitive areas such as the food or pharmaceutical industries. Due to its stable runners, the Hybox can also be used on automated conveyors. Hook-on edges in the lid ensure non-slip stacking even when empty.



Special requirements

- ▶ multi-layer units with intermediate levels for transporting complete assembly sets [1]
- ▶ Mega-Pack folding box combination for the modular distribution of goods [2]
- ▶ collection boxes for empties [3] make collecting empties at the supermarket easier, lid optionally with or without opening
- ▶ an integrated clothes rail in the fast-fashion container [4] allows transporting hanging garments right into the branches
- ▶ lightweight collection container [5] for flexible use in the branches, ergonomic handling thanks to grip tabs for simple emptying
- ▶ stable, foldable twin-sheet pallet stacking frame [6] fitting wood or plastic pallets in Euro pallet sizes
- ▶ lightweight version of Mega-Packs with runners [8]
- ▶ custom sizes up to 2,250 x 1,200 mm possible even for small quantities [7]



Mega-Packs and Hyboxes



Options

- ▶ Hyboxes from conductive ESD material transport electronics items without the dreaded “electrical shocks” [1]
- ▶ different product colours
- ▶ additional securing with bands [2]
- ▶ fillers for pallet feet for a smooth pallet surface
- ▶ base layer for a smooth pallet surface
- ▶ marking
 - customised printing and identification of the individual components with adhesive labels [3]

Sleeves

The support sleeves of our Mega-Packs and Hyboxes are the centrepiece of the unit. They ensure ergonomic handling, volume reduction and the possibility of comprehensive customisation through special adaptation to your challenges.

- ▶ polypropylene (PP) twin-wall sheets
- ▶ different sleeve thicknesses or grammages [4]
- ▶ edges
 - open edges [5]
 - welded edges [6]
- ▶ sleeve types
 - M fold: fold in the middle of the short side [7]
 - Z fold: fold in the middle of the long side [8]
 - two-part C-sleeve [9]
 - C-sleeve with front plate [10]
- ▶ removal openings with different locking mechanisms
 - one or several removal flaps [11]
 - double removal flap [12]
 - “quick slide” instead of hook-and-loop fastener [13]
- ▶ pouch for documents accompanying goods [14]

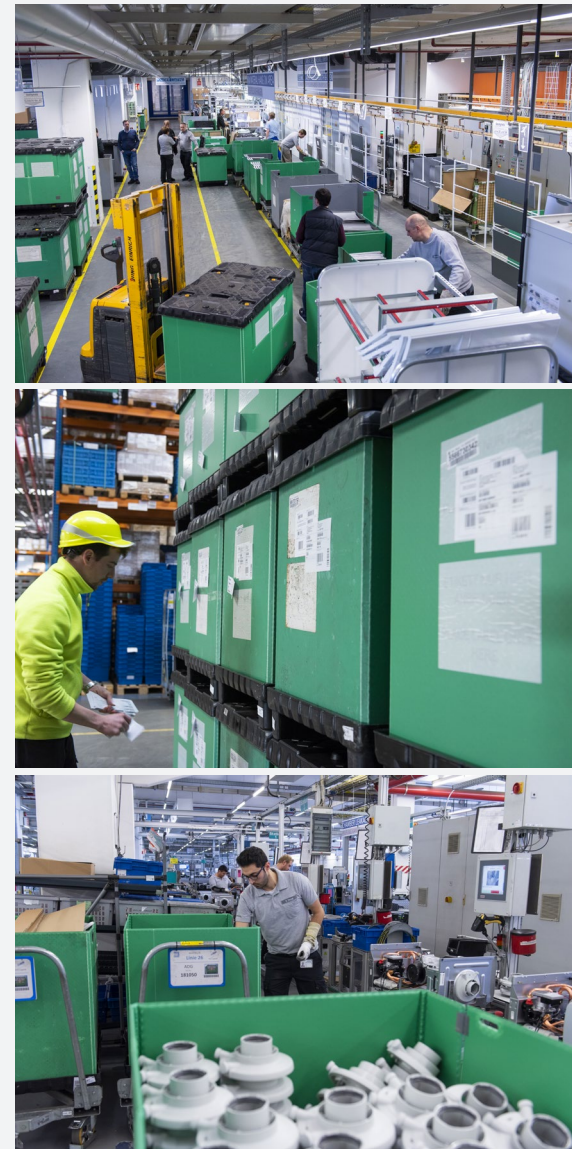


Container interior

The Mega-Packs can be individually matched to your products with compartments, trays or foam inserts. The customised packaging prevents the individual parts from slipping and at the same time no more space is wasted.

- ▶ foldable compartments in every shape and size made from twin-wall sheets to subdivide the container [1] [2] [3] [4]
- ▶ rigid compartments for inserting products from the side
 - covered in textile material, the compartments protect e. g. the sensitive surface of painted components [5]
- ▶ plastic sheet inlay for particularly hygienic protection [6]
- ▶ pallets with mounted supports for exact positioning of products [7] [8]
- ▶ combined interior packaging including foam parts and compartments [9] [10]
- ▶ deep-drawn trays for transporting particularly heavy products [11]
 - a plug system also allows the stable stacking of the trays on top of each other [12]

Mega-Packs and Hyboxes



Mega-Packs in use at comepack

The company comepack stands for intelligent container management and sustainable multi-trip logistics. In order to design a container pool efficiently and sustainably, robust and volume-reducible load carriers are needed. That's why comepack has counted on large load carriers from the Mega-Pack line by WALTHER Faltsysteme for years.

In the automotive and heating construction sectors, comepack also uses pallet boxes measuring 1,200 x 800 mm from the Mega-Pack family. Thanks to their customised and modular interior design, they can be used to transport heating components just as easily as parts for brake systems.

The Mega-Packs are moved exclusively with forklift trucks or handling equipment. It was therefore crucial for the customer that the load carriers are highly robust.

In addition, we usually use a steel-reinforced version of the pallets for comepack. This means that loads of up to 750 kilograms can also be stored permanently and safely in high racks.

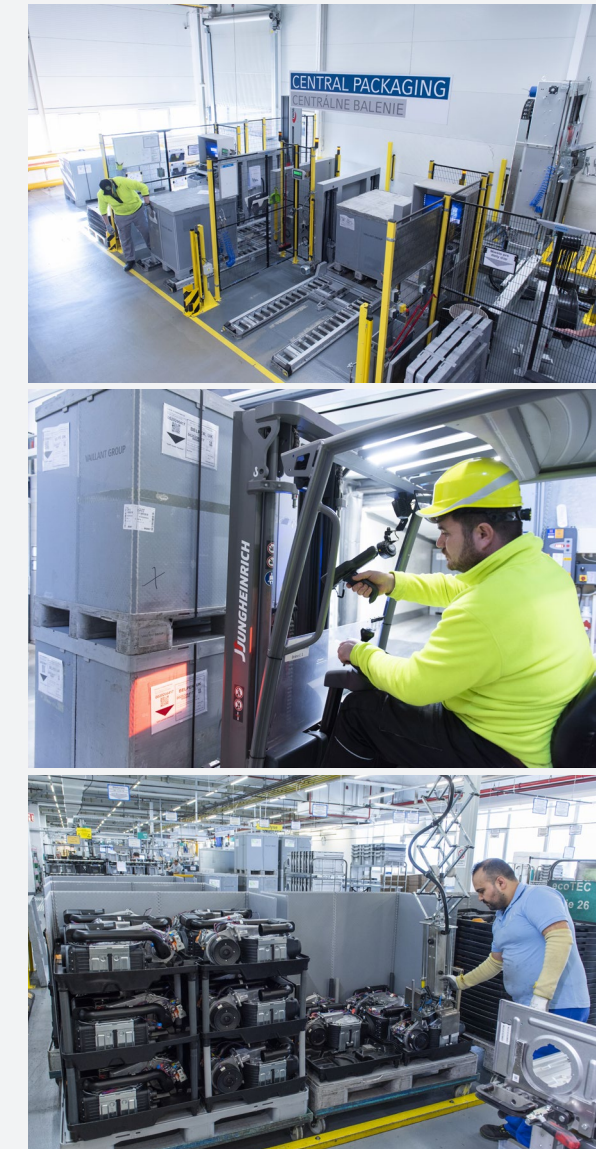
At comepack, the large load carriers complete a total of several thousand rotations per year. In order to make the containers volume-reducible despite their sturdy design, a support sleeve made of structured core panels is used for the side walls of the Mega-Packs. This makes it easy to fold the load carrier and reduces the volume when empty by around 75 percent.



Hyboxes in use at Vaillant

The Vaillant brand stands for smart and sustainable heating and ventilation systems. The company uses customised container solutions from WALTHER Faltsysteme to transport the various components. These protect the valuable components from damage and are compatible with the various automated conveyor systems used at the different sites.

Vaillant now uses more than 30,000 Hyboxes and Mega-Packs. Both systems are foldable, which allows their volume to be reduced by up to 80 per cent when transported empty. The 4-foot Mega-Packs are precisely matched to the requirements of the existing conveyor technology at Vaillant - the pallets allow a load capacity of 750 kilograms in the high rack.



Concealed inside the load carriers there are compartments or trays that are individually adapted to the products being transported. In each case, the inner packaging is configured to make the best possible use of the volume of the boxes and at the same time precisely meet the specific requirements of each component.

This allows all components to be safely transported using a sophisticated range of interiors with only three different pallet boxes. Another benefit: The outer dimensions of the containers remain unchanged. This standardisation not only enables storage and handling to be simplified, but also speeds up logistics processes at Vaillant.

Mega-Packs and Hyboxes

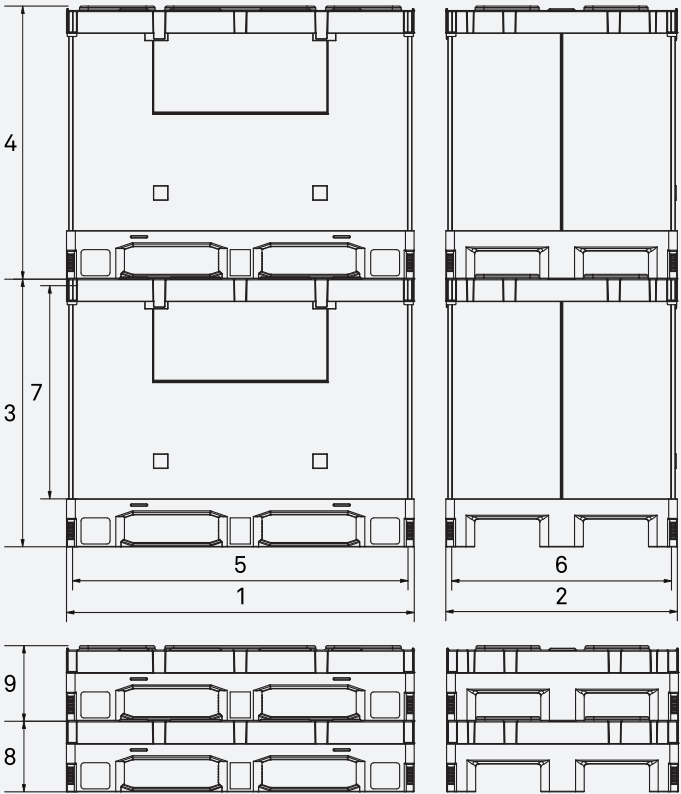
Mega-Pack and Hyboxes range

Mega-Packs			
			
MPS 800/700	MPS 1200/900	MPS 1000/1000	MPS 1140/1000
			
MPS 1500/1000	MPS 1600/1000	MPS 1800/1000	MPS 2250/1200
Hyboxes			
			
Hybox 1200/940	Hybox 1000/940		

	exterior length (mm, nom.)	exterior width (mm, nom.)	exterior height (mm, nom.)	exterior height when stacked (mm, nom.)	usable interior length (mm, approx.)	usable interior width (mm, approx.)	usable interior height (mm, approx.)	usable volume (litres, approx.)	tare weight (kg, approx.)	max. load capacity (stat., kg)	max. superimposed load (stat., kg)	exterior height when folded (mm, nom.)	exterior height when folded and stacked (mm, nom.)	volume reduction when stacked (% approx.)
Mega-Packs														
MPS 800/700	800	600	700	685	750	550	520	214	13.0	1000	500	250	235	66
MPS 1200/900	1200	800	900	885	1150	750	720	621	25.0	1000	500	250	235	73
MPS 1000/1000	1200	1000	1000	985	1150	950	820	895	29.0	1000	500	250	235	76
MPS 1140/1000	1140	1140	1000	985	1065	1065	790	896	21.2	1000	500	250	235	76
MPS 1500/1000	1500	1200	1000	985	1415	1115	820	1293	35.0	1000	500	250	235	76
MPS 1600/1000	1600	1200	1000	985	1530	1130	770	1331	37.0	1000	500	250	235	76
MPS 1800/1000	1800	1200	1000	985	1730	1130	770	1505	43.0	1000	500	250	235	76
MPS 2250/1200	2250	1200	1200	1185	2185	1145	1000	2500	73.0	300	500	250	235	80
Hyboxes														
Hybox 1200/940	1200	800	940	925	1160	760	730	643	30.7	1000	600	260	245	74
Hybox 1000/940	1200	1000	940	930	1160	960	730	812	40.0	1000	600	250	240	74

Technical specifications

- 1 exterior length (mm, nom.)
- 2 exterior width (mm, nom.)
- 3 exterior height (mm, nom.)
- 4 exterior height when stacked (mm, nom.)
- 5 usable interior length (mm, approx.)
- 6 usable interior width (mm, approx.)
- 7 usable interior height (mm, approx.)
- 8 exterior height when folded (mm, nom.)
- 9 exterior height when folded and stacked (mm, nom.)



MPS Mega-Pack system



What is so special about our load carriers for modern, automated storage technology?

Digitisation and Industry 4.0 have long since entered the world of logistics today. Fully automated warehouses are not only the technology of the future, but are already established worldwide today. Especially when using automated processes, work with robots, stack handling and kilometre-long conveyor lines, the load carrier used must be 100 per cent reliable.

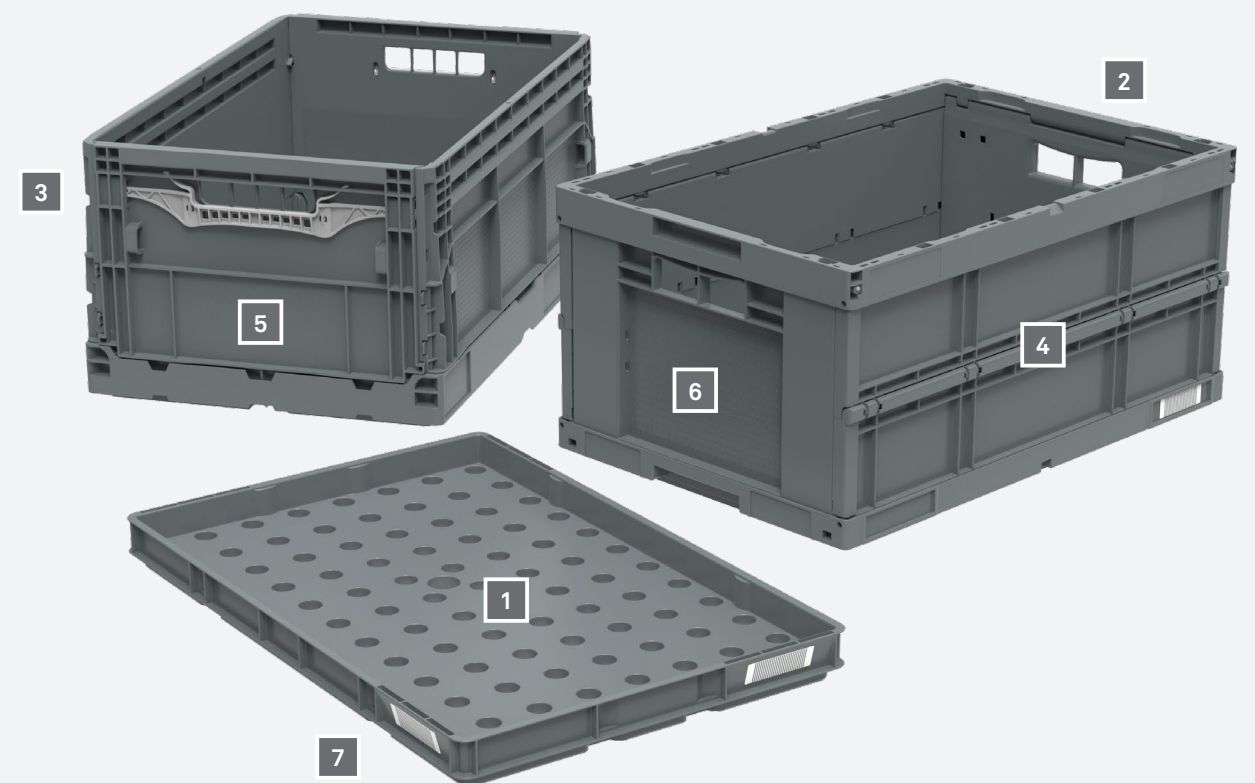
Today, load carriers are a moving part of the computer-controlled ecosystem within the warehouse. As soon as the goods are received, they are transferred onto or into the corresponding load carriers and then stored. Special folding and collapsible boxes as well as trays from WALTHER Faltsysteme are used for this purpose.

Once the goods have been placed on or in the load carrier, the system knows its location and which goods it contains at all times. Further information can also be stored and retrieved via the specific barcode. Conveyor belts take the load carriers to their temporary storage location.

This space is automatically calculated and assigned by the system depending on the type of goods. A variety of factors are taken into account, for example how often the item is retrieved.

Beside fully automated warehouses, in which the goods are picked autonomously by robots and other handling systems, semi-automated processes have also become established. These involve the goods being driven to the picking station in so-called picking lines. The required items are taken from the container and the container is sent back on its journey into the storage system to its new storage location.

The requirements for the load carriers on automated conveyor systems are varied, and a seamless workflow of the complex processes is essential.



Quality

Warehouse automation is fine-tuned based on the load carriers used. This means the containers must always have a consistently high, reproducible quality even after years. In high-bay warehouses, deflection under load is also an important aspect. All our load carriers therefore have a specially designed, reinforced base structure.

Handling

In automated transport systems, containers are usually stacked and erected by machine. Our containers feature corresponding automation handles by which the load carrier can be gripped and held. The high stability and low tare weight ensure safe and reliable handling.

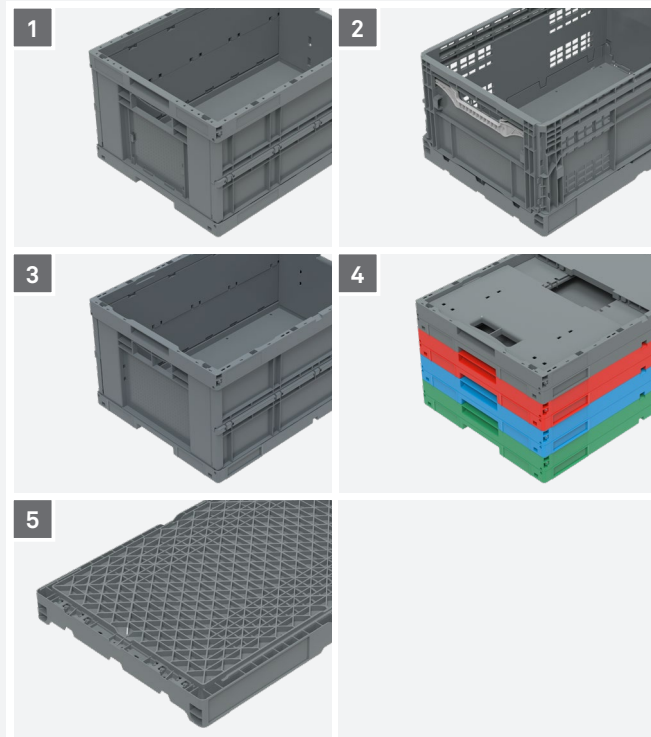
Labelling

The identification of the container at any time during the entire process is essential for the automated process. Any errors often lead to a standstill of the entire system. All our barcoded load carriers are therefore already checked during ongoing production.

Properties

- ▶ material: polypropylene (PP)
- ▶ colour: grey
- ▶ high volume reduction for return of empties
- ▶ easy cleaning thanks to smooth interior surfaces [1]
- ▶ ergonomic handles [2]
- ▶ ergonomic locking mechanism [3]
- ▶ ribbing and special base design for high stability and smooth running on conveyor systems
- ▶ high stability in stacks when full or empty due to extra high stacking rim
- ▶ robust hinges for long service life [4]
- ▶ nubbed fields for adhesive labels [5]
- ▶ holding fixtures for label holders/frames [6]
- ▶ protected label fields [7]

Automated storage technology



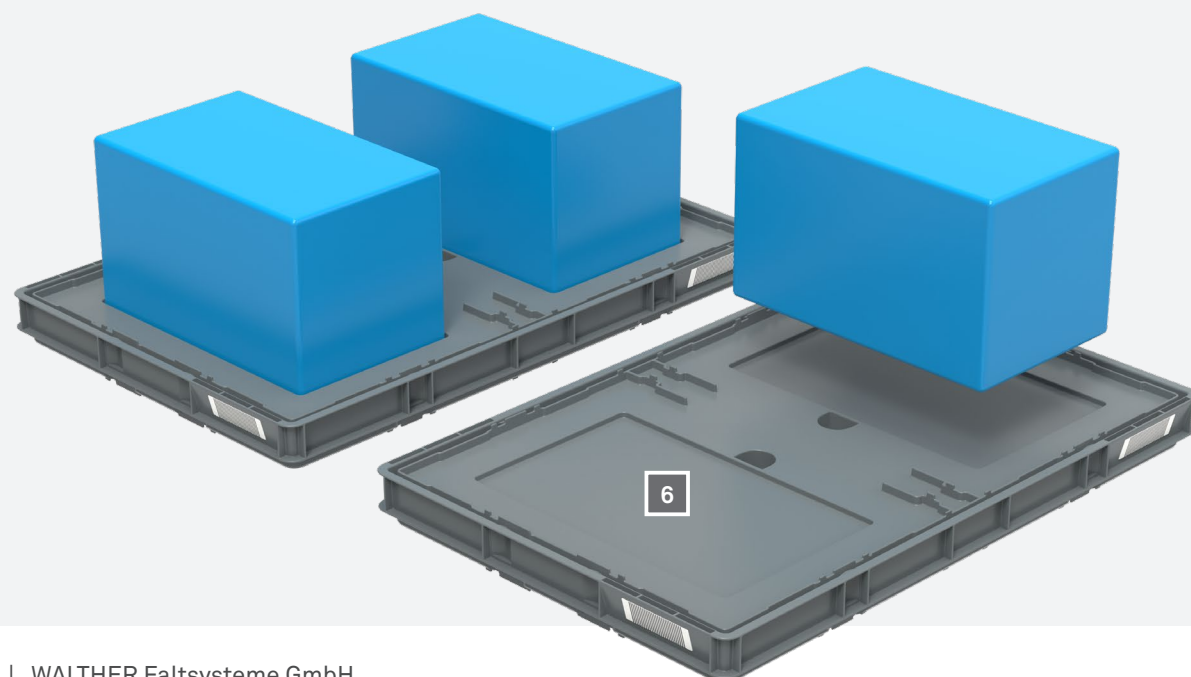
Special requirements

With our special range of folding boxes, collapsible boxes and trays for automated warehouses, we cover a wide field. Whether it's different sizes, perforated or closed side walls - you will find what you are looking for. A specially ribbed running tread base ensures smooth running on the conveyor system and particular stability even at high temperatures or loads. In addition, we can use reclaimed material or adapt the product colour individually to your wishes.

- ▶ load carrier in custom size, specially adapted to your equipment [1]
- ▶ perforated side walls to reduce the tare weight of the container [2]

Options

- ▶ GREENLINE: reclaimed material [3]
- ▶ different product colour [4]
- ▶ heavily ribbed base for particularly high requirements regarding temperature or weight of the goods [5]
- ▶ fillers for trays for slip-proof stacking of further, non-conveyable containers or cardboard boxes [6]



Identification

Identification plays an important role, in particular with regard to automated storage technology. We offer different identifying technologies, for example for getting your logo onto the box. Printing, different labels and embossing - we can offer you everything from a single source. We will be happy to advise you individually on the various possibilities.

- ▶ one-colour printing
 - hot-foil stamping [1] [2]
- ▶ barcode label
 - in-mould label [3] [4]
 - adhesive label [5]
- ▶ decorative label
 - in-mould label [6]
 - adhesive label
- ▶ relief embossing [7] [8]

Accessories

To protect your goods during transport and to prevent theft, we offer drop-on lids for our folding and collapsible boxes. These can be strapped to the containers so that unintentional removal of the goods is not possible.

- ▶ drop-on lid [9]

Automated storage technology



Collapsible DPS boxes in use at REWE

Retailer REWE has high standards when it comes to multi-trip logistics in an automated warehouse. In 2014, REWE took its first step towards automation with the RED 63 national logistics centre. For this, the retailer needed a solution for picking small parts and slow-moving items.

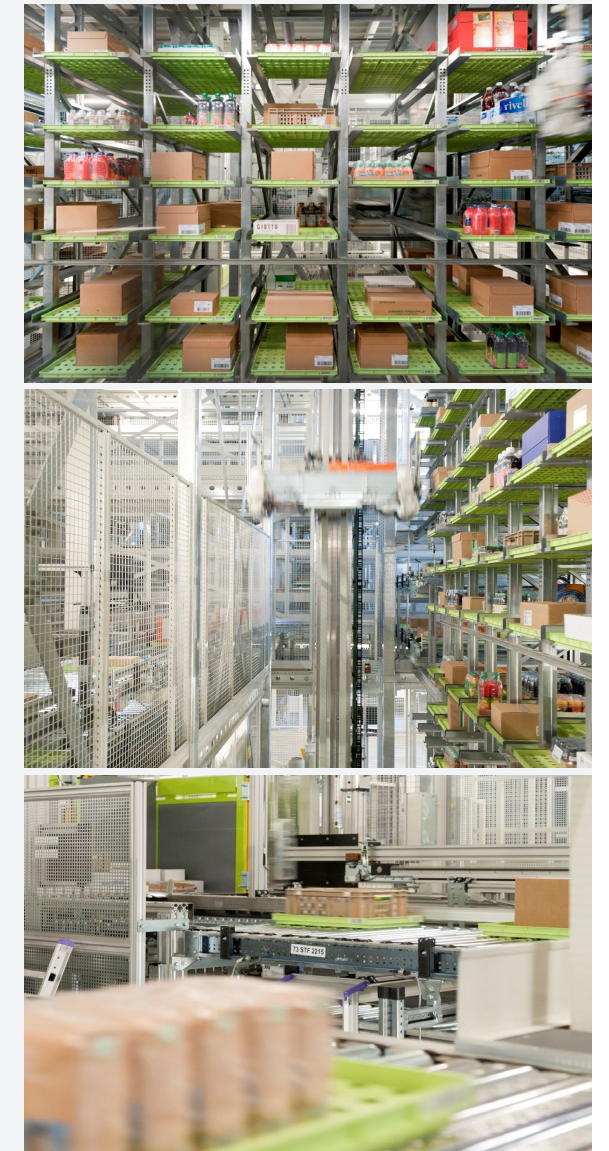
A foldable plastic container with a base size of 600 x 400 millimetres was the right container. Identification was an important issue for REWE: Four in-mould barcodes and an optional RFID tag are used to track the boxes. The reinforced running tread base allows trouble-free transport over kilometre-long conveying distances.

The locking mechanism at the front end proved to be easy to handle, ergonomic, and suitable for secure seal-

ing in various tests. In addition, the box can be erected automatically. The highlight in terms of environmental protection: the containers are mainly made of recycled plastic. This makes the project one of the first of its kind.

An important factor for REWE: The collapsible box meets the requirements of the branches in terms of simple and ergonomic handling, but also offers the necessary mass throughput through its integration into the automated storage technology and is particularly space-saving during return transport and storage.

In the meantime, the second generation of WALTHER boxes is already in circulation at REWE - we have delivered about 800,000 units so far.



Trays in use at Migros

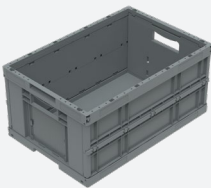
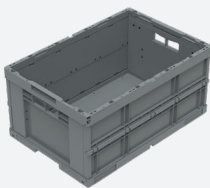

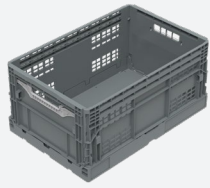
Migros, Switzerland's largest retailer, places the utmost importance on sustainability. For the shipping of goods from the warehouse to the store, it uses the OPM storage and picking system from Witron. The system ensures fully automated, space-saving and careful placement of the retail units on load carriers.

We developed special trays for this type of system, which are also used at Migros. In the warehouse, they are loaded by computer-controlled conveyors so that the goods are optimally placed in terms of weight and dimensions. Then the goods are lifted off the tray with spikes, pushed onto the appropriate load carrier and transported to the stores.

The trays offer even more advantages: They are identified with a barcode on four sides. The material and construction are designed to minimise deflection and to ensure optimum transportability of the tray - and to guarantee that this remains the case even under load.

And due to the space-saving transport and the long service life, the trays are sustainable to boot. That is why Migros now uses several hundred thousand trays.

Range for automated storage technology

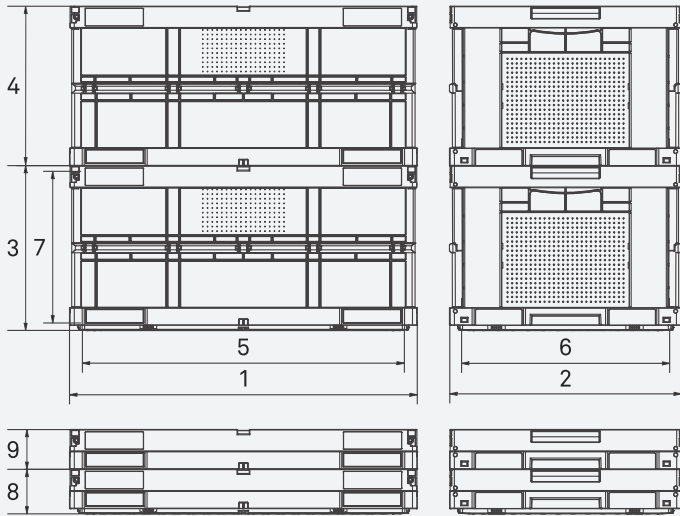
Folding boxes		
		
5328 DPS	6428 DPS	
Collapsible boxes		
		
6428 DPS-K	6428 DPS-K L	

DPS dynamic picking system
K collapsible box
L perforated side walls

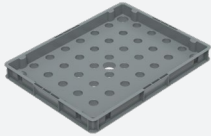


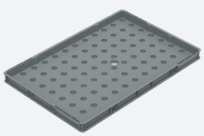
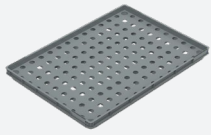
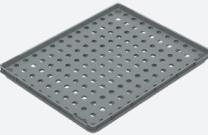
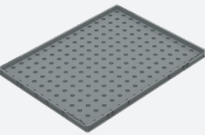
	exterior length (mm, nom.)	exterior width (mm, nom.)	exterior height (mm, nom.)	exterior height when stacked (mm, nom.)	usable interior length (mm, approx.)	usable interior width (mm, approx.)	usable interior height when stacked (mm, approx.)	usable volume when stacked (litres, approx.)	tare weight (kg, approx.)	max. load capacity (stat., kg)	max. superimposed load (stat., kg)	exterior height when folded (mm, nom.)	exterior height when folded and stacked (mm, nom.)	volume reduction when stacked (% , approx.)
Folding boxes														
5328 DPS	580	385	280	270	540	352	258	49	2.6	25	250	80	70	74
6428 DPS	600	400	285	275	560	365	265	54	2.9	25	250	80	70	75
Collapsible boxes														
6428 DPS-K	600	400	285	275	554	363	260	52	2.8	25	250	65	55	77
6428 DPS-K L	600	400	285	275	554	363	260	52	2.6	25	250	65	55	77

Technical specifications

- 1 exterior length (mm, nom.)
- 2 exterior width (mm, nom.)
- 3 exterior height (mm, nom.)
- 4 exterior height when stacked (mm, nom.)
- 5 usable interior length (mm, approx.)
- 6 usable interior width (mm, approx.)
- 7 usable interior height when stacked (mm, approx.)
- 8 exterior height when folded (mm, nom.)
- 9 exterior height when folded and stacked (mm, nom.)

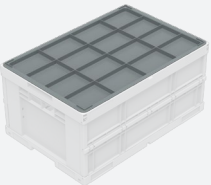
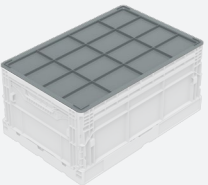


Automated storage technology

Trays			
			
TY 400-300	TY 500-350	TY 550-350	TY 600-400
			
TY 700-500	TY 700-550	TY 800-600	

Trays	exterior length (mm, nom.)	exterior width (mm, nom.)	exterior height (mm, nom.)	exterior height when stacked (mm, nom.)	usable interior length (mm, approx.)	usable interior width (mm, approx.)	usable interior height (mm, approx.)	tare weight (kg, approx.)	max. load capacity (stat., kg)	max. superimposed load (stat., kg)
TY 400-300	400	300	50	35	378	278	30	0.7	15	75
TY 500-350	500	350	50	30	481	331	24	0.8	17	75
TY 550-350	550	350	50	30	531	331	24	0.9	17	75
TY 600-400	600	400	50	35	570	370	30	1.3	20	100
TY 700-500	700	500	50	30	681	481	24	1.5	27	120
TY 700-550	700	550	50	30	681	531	24	1.6	27	120
TY 800-600	800	600	50	35	778	578	25	3.2	20	100

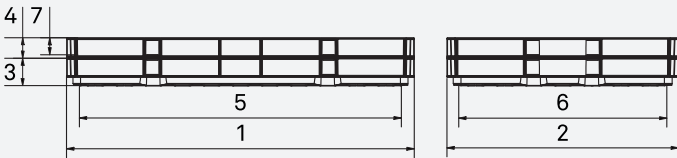
Accessories

Drop-on lids	
	
64 DA DPS	64 DA DPS-K

DA drop-on lid
DPS dynamic picking system
K collapsible box
TY tray

Technical specifications

- 1 exterior length (mm, nom.)
- 2 exterior width (mm, nom.)
- 3 exterior height (mm, nom.)
- 4 exterior height when stacked (mm, nom.)
- 5 usable interior length (mm, approx.)
- 6 usable interior width (mm, approx.)
- 7 usable interior height (mm, approx.)



Drop-on lids	exterior length (mm, nom.)	exterior width (mm, nom.)	exterior height (mm, nom.)	exterior height when stacked (mm, nom.)	tare weight (kg, approx.)
64 DA DPS	600	400	25	20	0.8
64 DA DPS-K	600	400	20	15	0.7

Collapsible fruit and vegetable boxes



What is so special about our collapsible fruit and vegetable boxes?

Our collapsible fruit and vegetable boxes are the flattest on the market - because when folded they are only 27.5 millimetres high. In addition to their low empty volume and high stability, they feature a patented locking mechanism on the front sides, which can be opened and closed particularly ergonomically. The perforated base and side walls provide good air circulation in the boxes. Food-safe materials ensure that the boxes can be used from harvest straight to display - unpacked.

Sustainable

In addition to their long service life compared to other transport solutions made of different materials, our collapsible fruit and vegetable boxes are fully recyclable. We take the containers back at any time and process them into new products - in a closed cycle of materials, this is even possible for containers with food contact.

Utilisation of space

The containers are precisely adapted to the standard pallet dimensions of 1,200 x 800 mm or 1,200 x 1,000 mm. Their low folded height enables the return of up to 11,088 boxes in just one truck.

Safety

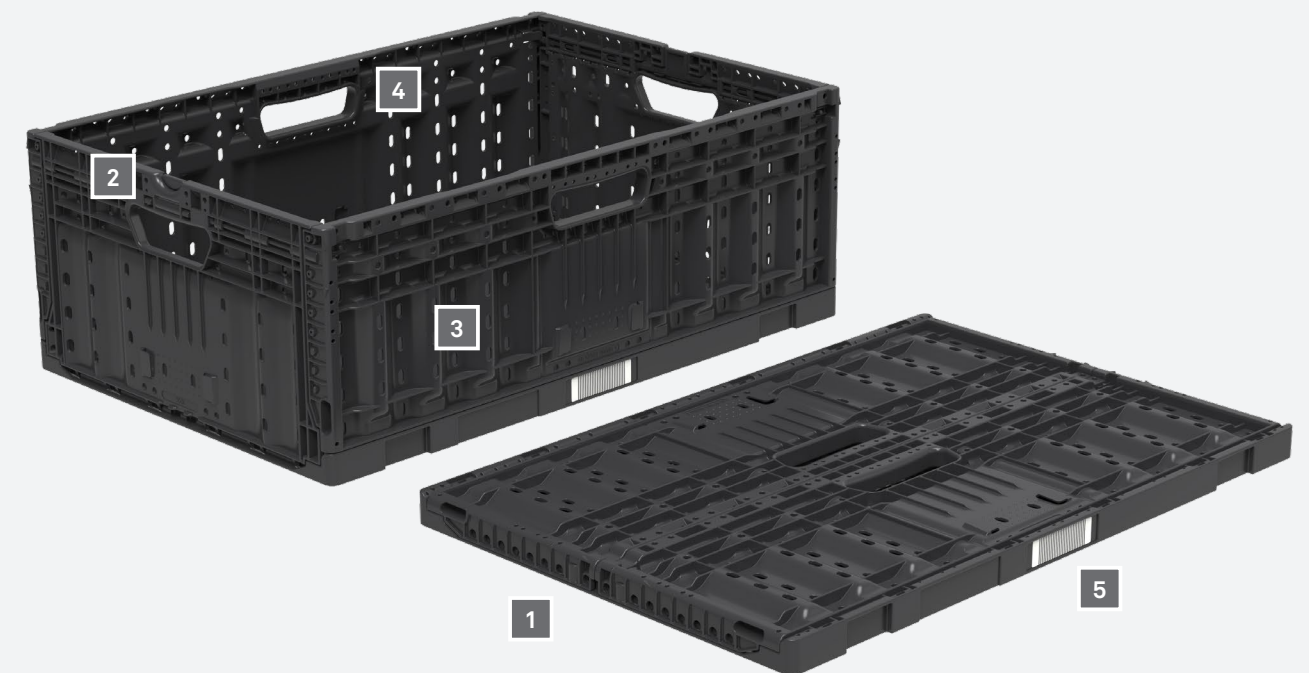
Their robust design offers maximum stability and protects sensitive foodstuff during transport. Individual marking ensures comprehensive control and tracking of your goods.

Handling

The easy and quick manual folding and unfolding of the containers using the patented locking system on the front sides offers a high degree of convenience during use. Fully automated handling in washing systems is also possible.

Cleaning

Easy and hygienic cleaning is an essential requirement for containers that come into contact with food. Our collapsible fruit and vegetable boxes are designed to be washed automatically at high temperatures and then dried.



Properties

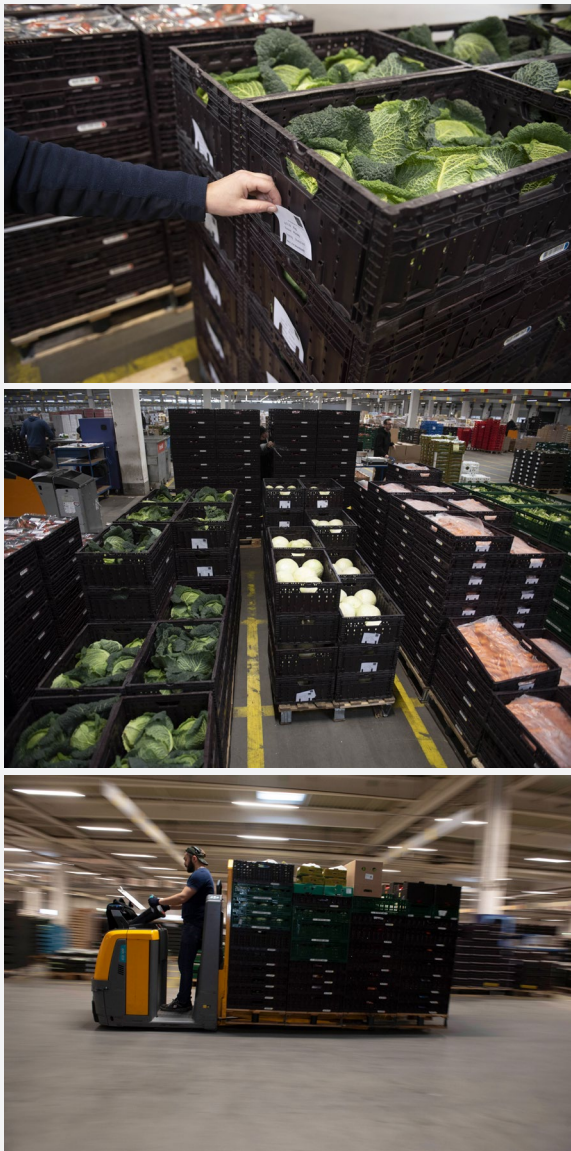
- ▶ material: polypropylene (PP)
- ▶ colour: black
- ▶ food-safe material
- ▶ Euronorm dimensions
- ▶ high volume reduction for return of empties, when folded only 27.5 mm high [1]
- ▶ patented locking mechanism on the front sides for ergonomic folding and unfolding [2]
- ▶ easy cleaning thanks to smooth interior surfaces
- ▶ perforated base and perforated side walls for good air circulation in the container [3]
- ▶ handle openings on four sides for convenient manual carrying [4]
- ▶ protected label fields on the long side [5]

Options

Our collapsible fruit and vegetable boxes can be identified on two sides with an in-mould label. This makes it easy to track the containers at every stage of the process chain. For customisation, e.g. with your logo or a note of ownership, relief embossing is a good option.

We will be happy to advise you individually on the various possibilities.

Collapsible fruit and vegetable boxes



Collapsible fruit and vegetable boxes in use at ALDI SÜD

A prominent example of the use of our collapsible fruit and vegetable boxes is ALDI SÜD. Most of the fruit and vegetables that we as customers later see for sale is transported from harvest to display in our collapsible boxes. This has numerous advantages:






Sensitive produce is safely packed directly after harvesting and protected from damage. Identification with in-mould labels allows easy picking in the distribution centres. Once in the shops, the goods are placed directly in the containers in the displays - they are handled efficiently and with care, without additional repacking.

And the empties from the individual shops can also be returned efficiently thanks to their low height of only 27.5 mm, and then washed at central locations. From there, the containers are returned to the farmers and the journey of our collapsible fruit and vegetable boxes begins all over again.

By its own account, ALDI SÜD has been able to save around 60 million disposable boxes in one year by using our reusable transport solution. In addition, transport costs and CO₂ emissions have been significantly reduced thanks to the low empty volume.

What's more: At the end of their service life, the collapsible fruit and vegetable boxes are fully recycled and re-enter the closed container cycle.

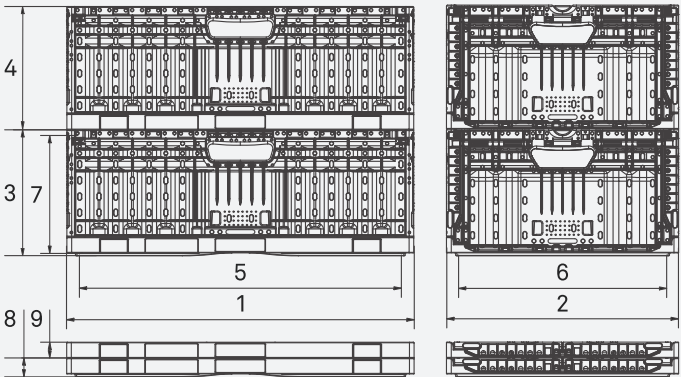
Collapsible fruit and vegetable boxes

			
OGK 4315	OGK 6411	OGK 6415	OGK 6418
			
OGK 6422			

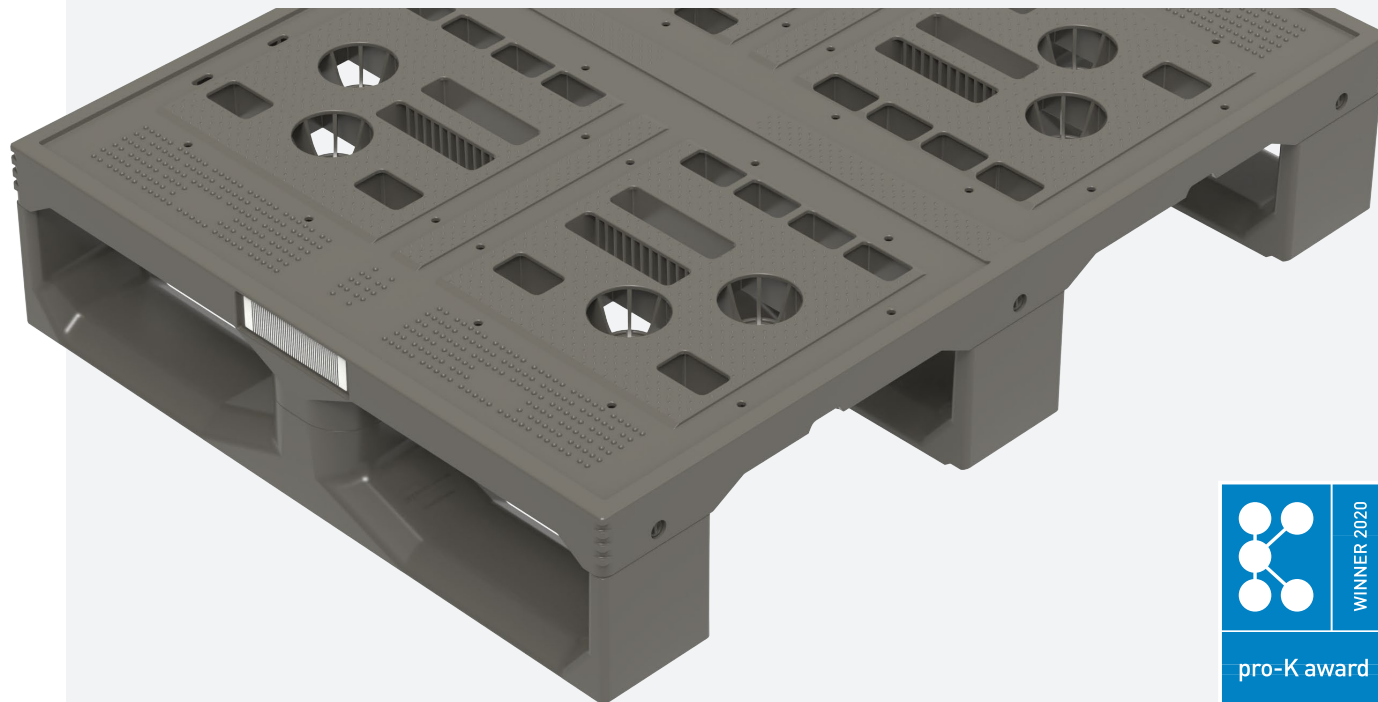
	exterior length (mm, nom.)	exterior width (mm, nom.)	exterior height (mm, nom.)	exterior height when stacked (mm, nom.)	usable interior length (mm, approx.)	usable interior width (mm, approx.)	usable interior height when stacked (mm, approx.)	usable volume when stacked (litres, approx.)	tare weight (kg, approx.)	max. load capacity (stat., kg)	max. superimposed load (stat., kg)	exterior height when collapsed (mm, nom.)	exterior height when collapsed and stacked (mm, nom.)	volume reduction when stacked (% approx.)
Collapsible fruit and vegetable boxes														
OGK 4315	400	300	152	147	373	273	145	15	0.8	10	150	32.5	27.5	81
OGK 6411	600	400	117	112	573	364	109	23	1.5	18	180	32.5	27.5	75
OGK 6415	600	400	152	147	573	364	144	30	1.7	18	180	32.5	27.5	81
OGK 6418	600	400	185	180	573	364	177	37	1.8	18	180	32.5	27.5	85
OGK 6422	600	400	219	214	573	364	211	44	2.0	18	180	32.5	27.5	87

Technical specifications

- 1 exterior length (mm, nom.)
- 2 exterior width (mm, nom.)
- 3 exterior height (mm, nom.)
- 4 exterior height when stacked (mm, nom.)
- 5 usable interior length (mm, approx.)
- 6 usable interior width (mm, approx.)
- 7 usable interior height when stacked (mm, approx.)
- 8 exterior height when collapsed (mm, nom.)
- 9 exterior height when collapsed and stacked (mm, nom.)



Düsseldorf plastic pallet



What is so special about our Düsseldorf plastic pallet?

Plastic pallets are the modern alternative to wooden pallets. Their robust design makes them sustainable due to their long service life. They are impervious to moisture, easy to clean and hygienic, as neither dirt nor bacteria can penetrate. Moreover, there is no risk of injury from chips, nails or edges.

But with our Düsseldorf plastic pallet (KDP) measuring 800 x 600 mm, i.e. half a Euro pallet, we are setting new standards for transport and intralogistics and have already received the pro-K award.

Intelligent load carrier

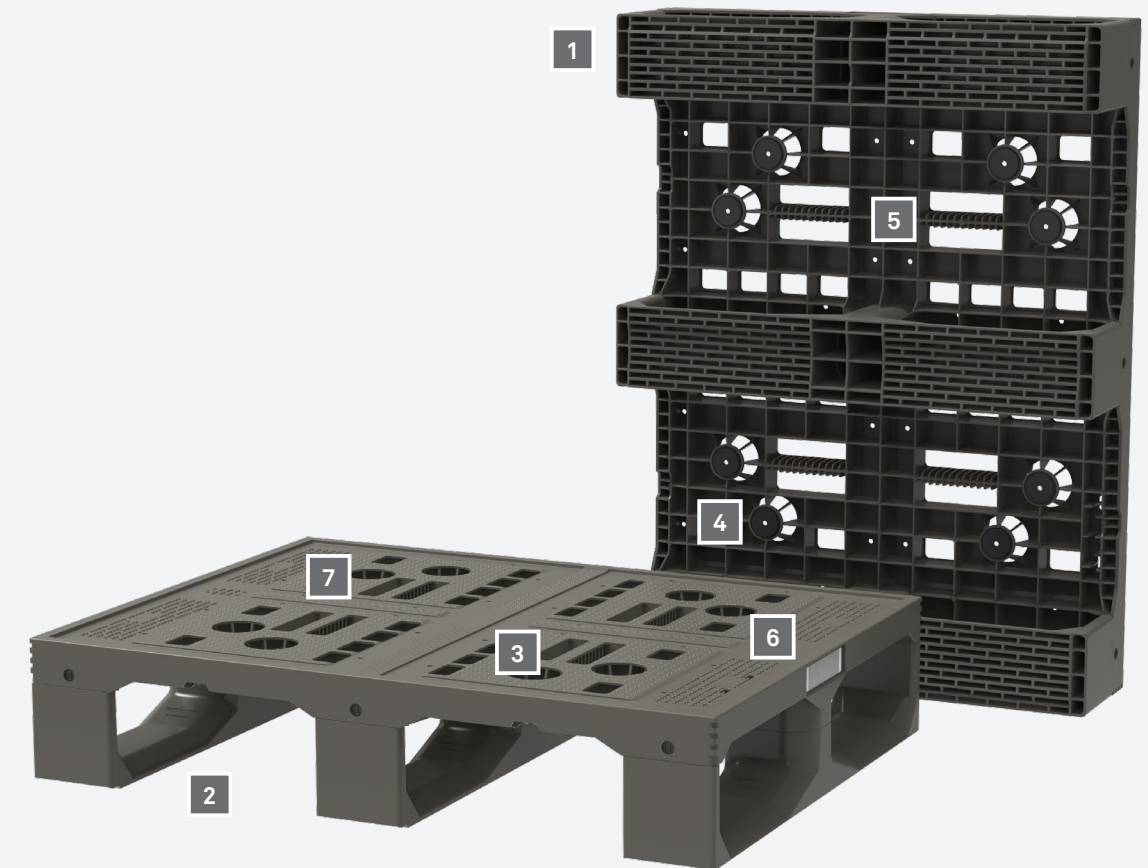
In-mould barcode labels and integrated RFID tags make our KDP an intelligent load carrier for seamless logistics. Goods movements can be tracked in real time. Reliable tracking of the location of the pallet and the goods allows for optimal planning and on-time delivery.

Sustainable

Already, around one third of the material used in production is post-consumer recycled material. The robust design withstands the tough demands of everyday logistics. The runners are subject to the greatest stress, which is why our KDP has a modular design and the runners can be replaced individually. At the end of its service life, the pallet can be fully recycled.

Quality

The design in accordance with the international standard DIN 15159 not only ensures a consistently high quality, but also that our KDP is compatible with all common conveyor systems. This ensures a consistently high ease of transport along all stages of the supply chain.



Properties

- ▶ material: polypropylene (PP)
- ▶ colour: grey
- ▶ Düsseldorf size (800 x 600 mm)
- ▶ low tare weight
- ▶ transport of static loads of up to 1,000 kg and dynamic loads of up to 500 kg
- ▶ reinforced runners made from particularly impact-proof material for long durability [1]
- ▶ simple reparability thanks to exchangeable runners [2]
- ▶ double-stack transport option
- ▶ all-round stacking edge and nubby surface for slip-proof transport even when stacked [3]
- ▶ anti-slip elements for more safety when handling [4]
- ▶ carrying handles for ergonomic handling [5]
- ▶ protected label fields on the short side [6]
- ▶ pocket for RFID tags on the long and short side [7]

Options

Our KDP can be identified on two sides with an in-mould label. In addition, it has two integrated pockets for RFID tags so that the containers can be easily tracked at every stage of the process chain. For customisation, e.g. with your logo or a note of ownership, relief embossing is a good option.

We will be happy to advise you individually on the various possibilities.

Düsseldorf plastic pallet



Düsseldorf plastic pallet in use at ALDI and HOFER

The discounters ALDI and HOFER were looking for a more sustainable solution for the Düsseldorf wooden pallet, as it is often damaged after only a few rotations and repair is usually not economical. Specifically, they were looking for an efficient and high-quality solution for distribution to the branches and internal logistics. The solution: the specially developed plastic Düsseldorf plastic pallet (KDP) from WALTHER Faltsysteme.

Although the plastic pallet has a low tare weight, it can still carry heavy loads. Thanks to its nubbed surface and the special contour of the runners, the KDP is stable and does not slip even when stacked. Carrying handles and anti-slip elements ensure ergonomic and safe handling. In addition, the KDP is compatible with all common conveyor systems.

The option of double-stack transport was an important bonus for the retailers. Several pallets with collapsible fruit and vegetable boxes, for example, can be stacked on top of each other.

The barcode labels and additionally integrated RFID tags open up completely new possibilities. In contrast to wooden pallets, the KDP can be recorded and tracked at its exact location. This ensures smooth processes in the supply chain, minimises pallet loss and optimises inventory management. In addition to the comprehensive advantages in intralogistics, handling and sustainability, the KDP is also a visual benefit and ensures an attractive presentation of goods in the shops. Since autumn 2020, ALDI Nord and ALDI SÜD have been replacing the classic wooden pallets with the KDP from WALTHER Faltsysteme across the company. At HOFER, the KDP has already been in use since 2016.

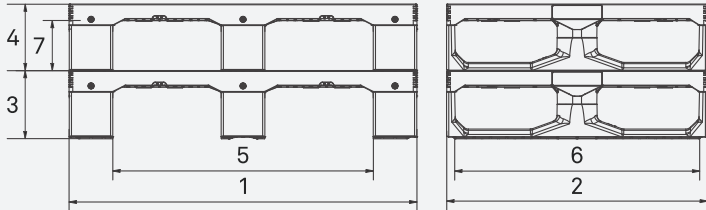
Düsseldorf plastic pallet



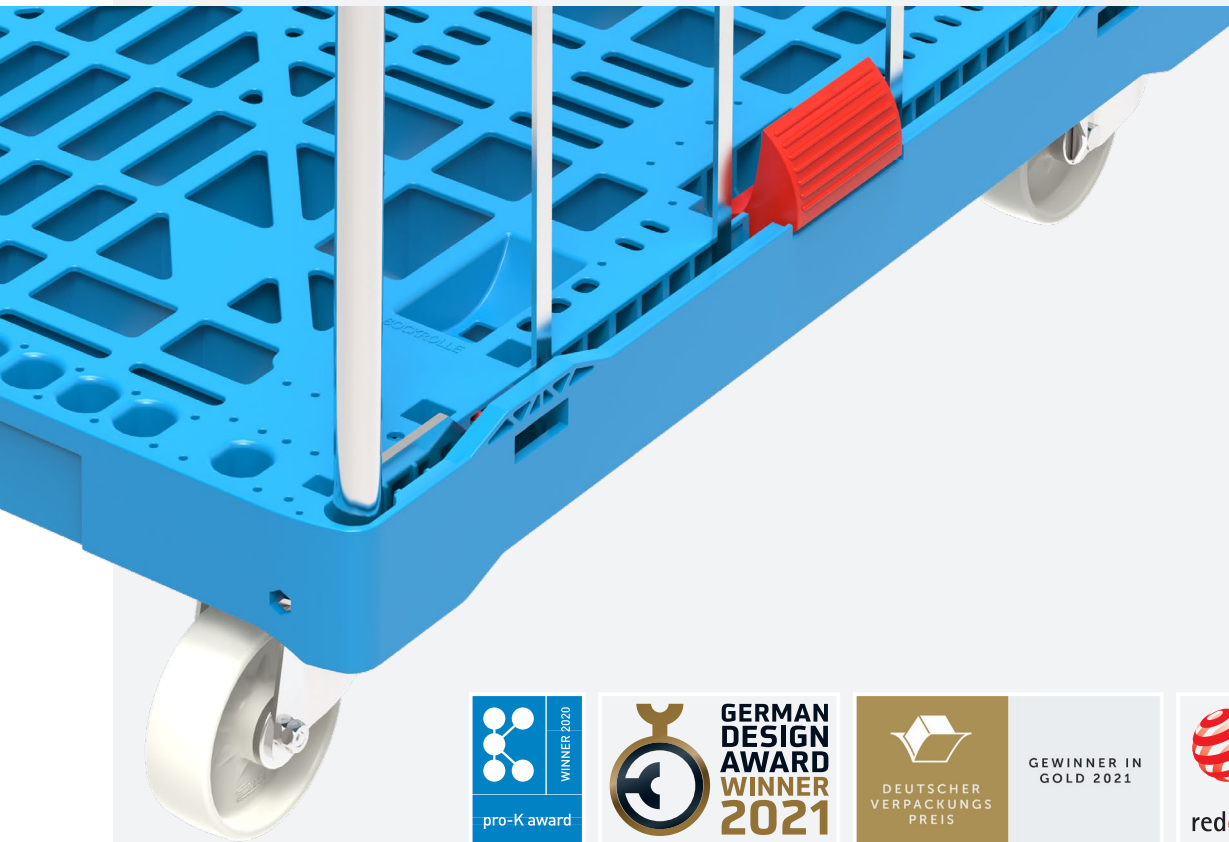
	exterior length (mm, nom.)	exterior width (mm, nom.)	exterior height (mm, nom.)	exterior height when stacked (mm, nom.)	entry width on the long side (mm, approx.)	entry width on the short side (mm, approx.)	entry height when stacked (mm, approx.)	tare weight (kg, approx.)	max. load carrying capacity, static (kg)	max. load-carrying capacity, dynamic (kg)
Düsseldorf plastic pallet										
KDP	800	600	160	155	596	560	120	6.5	1000	500

Technical specifications

- 1 exterior length (mm, nom.)
- 2 exterior width (mm, nom.)
- 3 exterior height (mm, nom.)
- 4 exterior height when stacked (mm, nom.)
- 5 entry width on the long side (mm, approx.)
- 6 entry width on the short side (mm, approx.)
- 7 entry height when stacked (mm, approx.)



Roll container Comfort



GEWINNER IN GOLD 2021



What is so special about our roll container Comfort?

It's obvious: the innovative and patented quick-coupling system of the side rails. The side rails are fixed to the base plate at three positions - without screw connections. This makes the system more stable, more durable, safer - and it remains volume-reducible. Ergonomic opening of the connection is possible via the foot pedal and the side rails can then be easily dismantled.

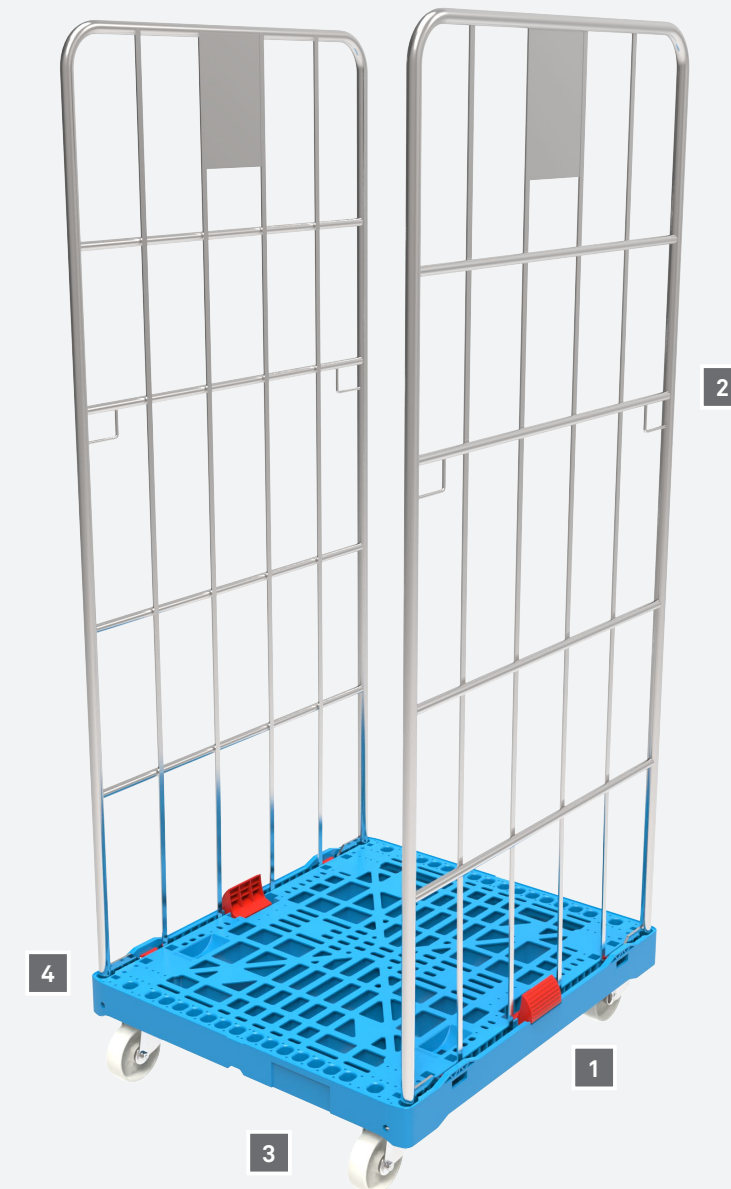
Flexible use

The versatile intermediate shelves allow a flexible, horizontal subdivision of the roll container. The roll container is compatible with all WALTHER folding boxes.

The combined use of different containers or cardboard boxes is no problem. The container can also be converted into a closed collection container, for example for empty cardboard boxes, without additional components.

Volume reduction

Most roll containers cannot be dismantled - but we never lose sight of volume reduction. The integrated wheel recess stacking of the base plates and the possibility of accommodating up to 18 side rails per base plate achieve a volume reduction of up to 80 percent.



Award-winning innovation

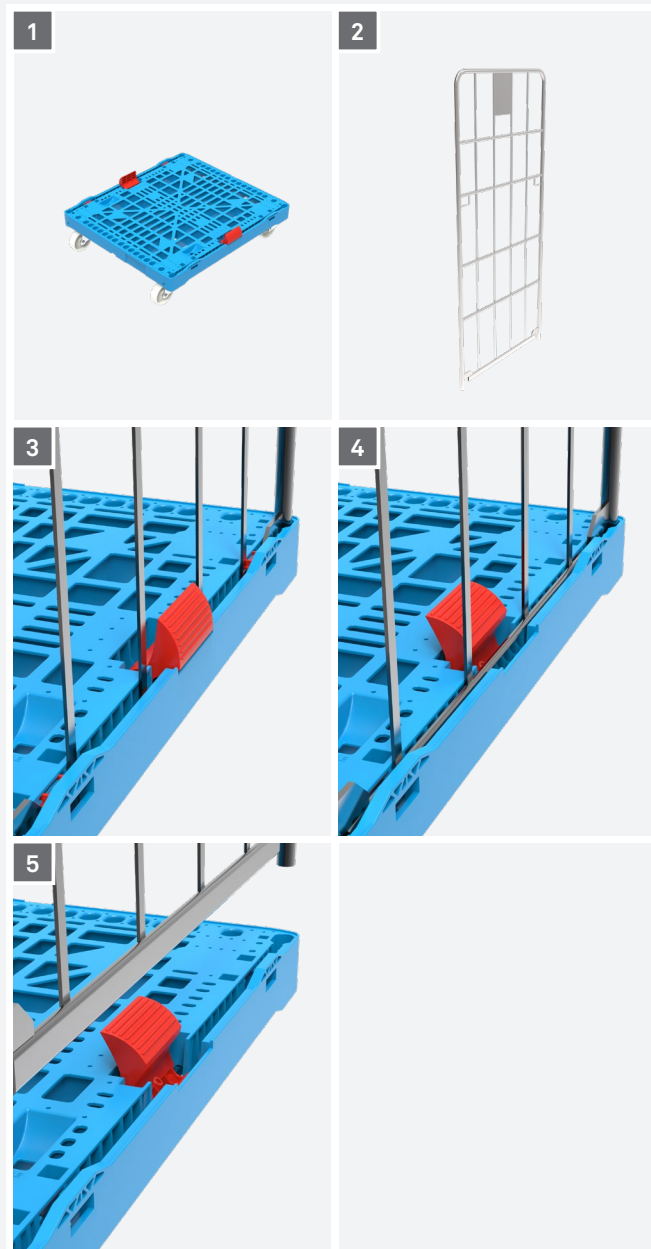
Our innovative reusable transport solution has already won the Red Dot Design Award, the German Design Award, the pro-K award and the German Packaging Award in Gold.

We will be happy to advise you personally on possible applications in your processes.

Properties

- ▶ patented quick coupling system to connect base plate and side rails [1]
- ▶ hooks for attaching straps [2]
- ▶ protected label fields for adhesive labels [3]
- ▶ compatible with all WALTHER folding boxes 800 x 600 mm, 600 x 400 mm and 400 x 300 mm
- ▶ tight and fast packing for return transport
- ▶ safe storage of the side rails during return transport due to defined parking positions [4]

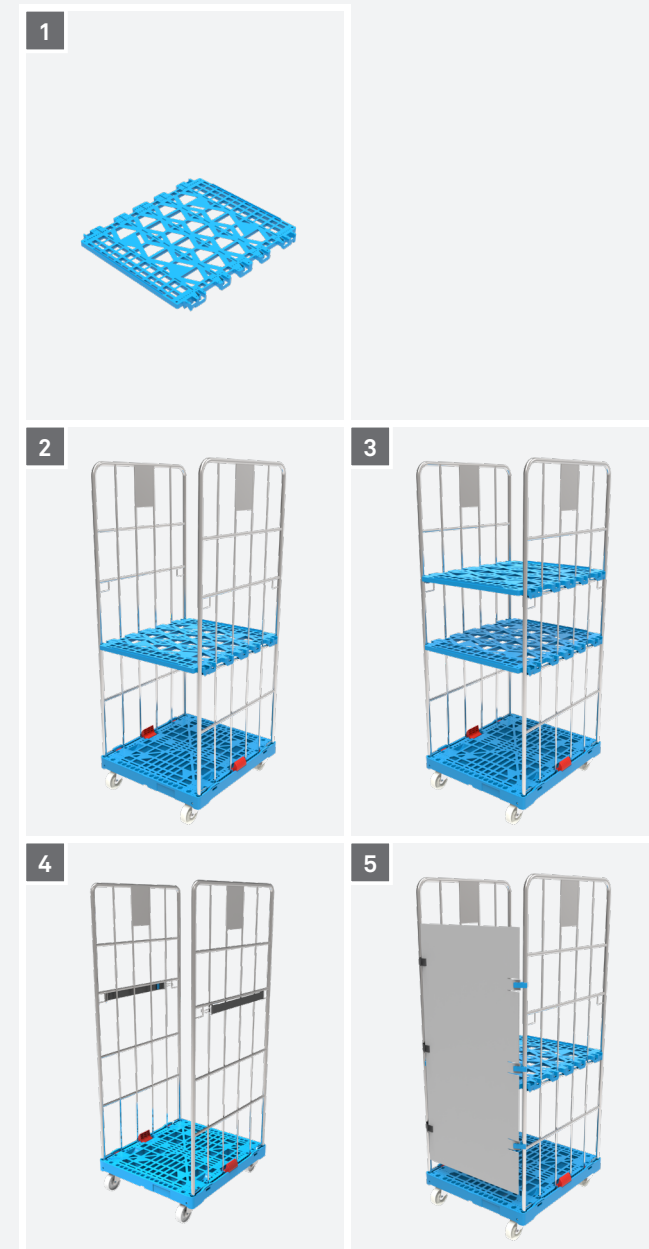
Roll container Comfort



Properties in detail

The roll container Comfort consists of a base plate, two side rails and, depending on the transport task, up to four intermediate shelves. To protect sensitive goods even better, the intermediate shelves can be inserted into the side rails at four positions so that the load is optimally distributed. Thanks to the clip connection, the intermediate shelves can also be attached vertically to the side rails and turn the roll container into a collection container.

- ▶ base plate [1]
 - material: PP
 - colour: blue (similar to RAL 5015)
 - reinforced with two steel struts
 - integrated quick coupling system to connect base plate and side rails
 - wheel recesses for stacking for return of empties
 - parking positions for return of the side rails
 - two fixed castors and two swivel castors
 - polyamide wheel body, Ø 108 mm
 - reinforced design
- ▶ side rail [2]
 - material: electro-galvanised steel
 - four crossbars to insert the intermediate shelves
 - hooks for attaching tension belts
- ▶ comfort system [3] [4] [5]
 - material
 - plastic parts: PA6-GF
 - hexagonal shaft: galvanised steel
 - colour
 - plastic parts: red
 - patented quick coupling system to connect base plate and side rails
 - no screw connection
 - ergonomic opening e.g. using your foot
 - simple removal of the side rail
 - automatic closing when inserting the side rail into its support and secure fixation of the side rails

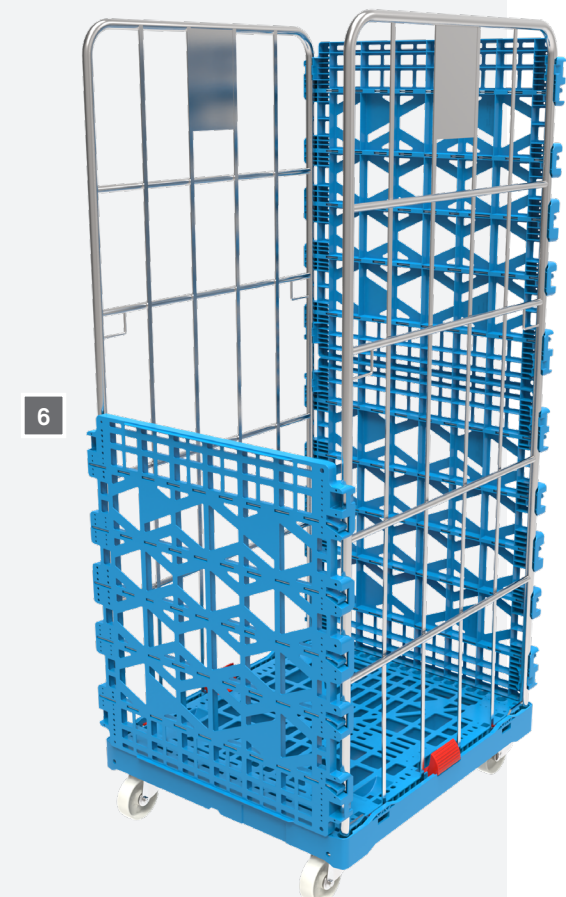


Options

- ▶ different product colours
- ▶ different castors available (low-noise, diameter, arresting device etc.)
- ▶ with 1 or 2 intermediate shelves [1] [2] [3]
 - material: PP
 - colour: blue (similar to RAL 5015)
 - reinforced with four steel struts
 - variable subdivision of the roll container
 - conversion to collection container possible [6]
- ▶ Identification
 - adhesive label (with or without RFID)

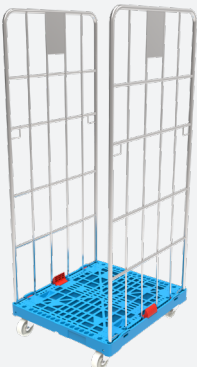
Accessories

- ▶ fastener strap [4] to secure the load
- ▶ RC Secure [5] for full-surface securing of loads




Technical specifications


Designs



standard

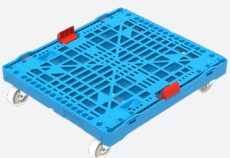


with 1 intermediate shelf




with 2 intermediate shelves

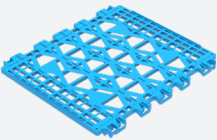
Individual parts



base plate



side rails



intermediate shelf

	exterior length (mm, approx.)	exterior width (mm, approx.)	exterior height (mm, approx.)	usable interior length (mm, approx.)	usable interior width (mm, approx.)	usable interior height (mm, approx.)	ground clearance (mm, approx.)	tare weight (kg, approx.)	max. load capacity (dyn., stat., kg)
Designs									
standard	814	722	1842	814	663	1653	127	29.1	-
with 1 intermediate shelf	814	722	1842	814	663	1653	127	33.1	-
with 2 intermediate shelves	814	722	1842	814	663	1653	127	37.1	-
Individual parts									
base plate	814	722	232	-	-	-	127	12.1	500
side rails	778	22	1725	-	-	-	-	8.8	-
intermediate shelf	809	719	52	-	-	-	-	4.0	150

Return of empties


Return of mixed empties



standard




with 1 intermediate shelf

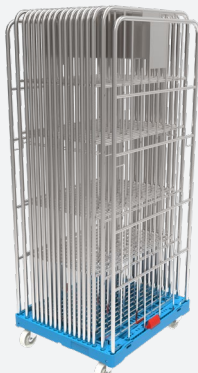


with 2 intermediate shelves


Single-variety return of empties



base plate



side rails



intermediate shelf

	base plate	side rails	intermediate shelf
Return of mixed empties			
standard	5	10	-
with 1 intermediate shelf	4	8	4
with 2 intermediate shelves	3	6	6
Single-variety return of empties			
base plate	19	-	-
side rails	1	18	-
intermediate shelf	1	2	24

Still not found the right product?



Together we will develop **your reusable load carrier**

You have special requirements that our reusable transport solutions do not yet meet? WALTHER Faltsysteme is your specialist for customised plastic containers. We stand for plastics expertise and can draw on over 40 years of experience in the design, toolmaking and production of reusable load carriers.

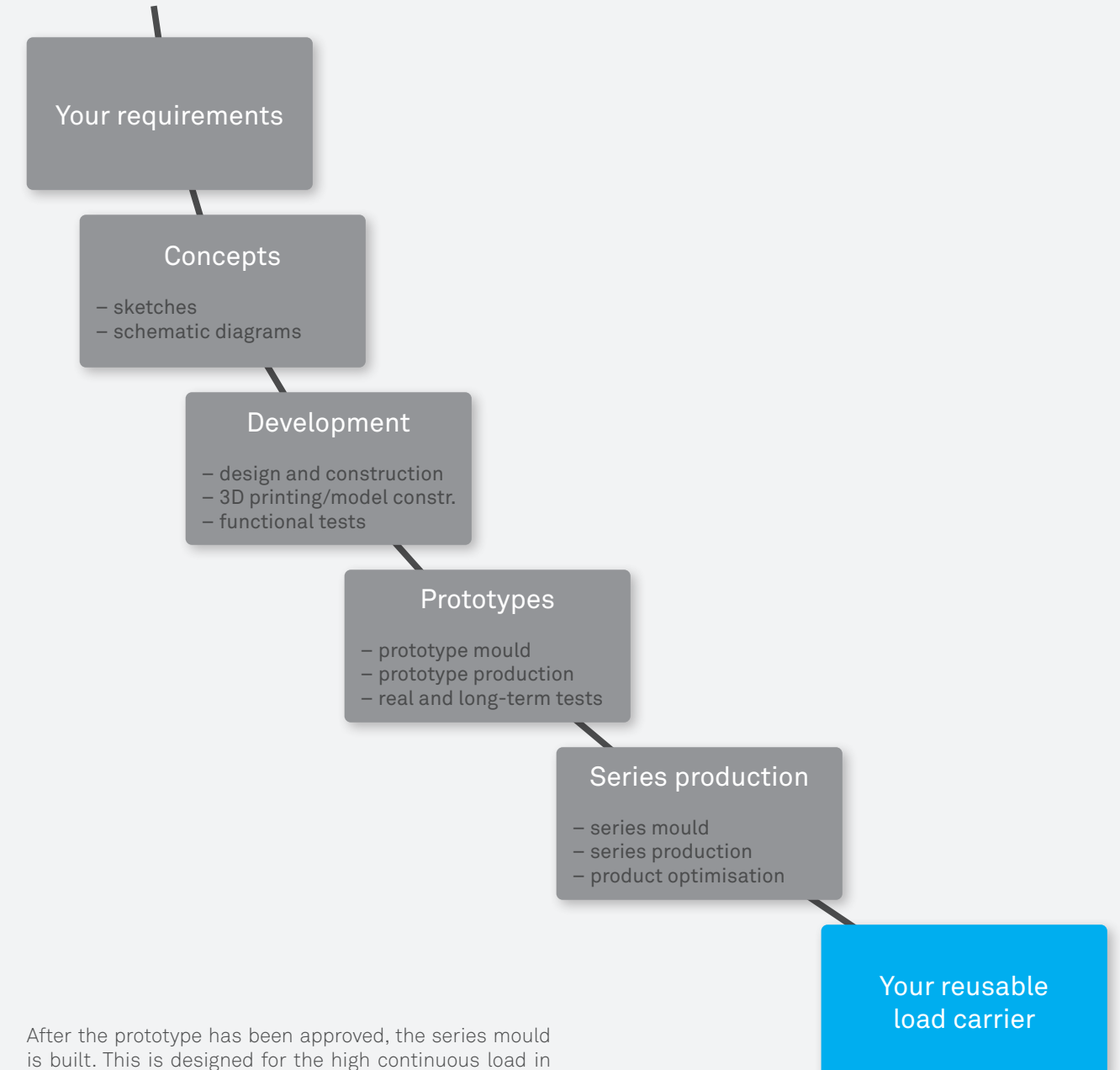
So what can you expect?

A team of experts, innovative ideas, high-quality work and short communication channels. We look forward to teaming up with you to develop the perfect load carrier for your requirements.

The starting point for the development of a new container is the individual requirements profile of your processes and the products to be transported. Only by gaining a perfect understanding of these requirements can we develop an optimal solution for you. These initial, intensive briefings are followed by the design phase. In this phase, we create CAD-based sketches and 3D representations that provide a basis for discussion. We always present a variety of approaches to a solution.

This is followed by prototyping, the core of customised container development. Prototypes and tests under real conditions provide safety and confidence on the way to series production.

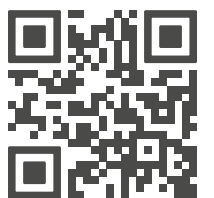
In dialogue with you



After the prototype has been approved, the series mould is built. This is designed for the high continuous load in the fast injection moulding process and can produce runs in the millions. All this happens in close exchange and dialogue with you. All that remains is to clarify the purchase quantities and transfer processes, and then there is nothing to stand in the way of your customised reusable transport solution.

What can we do to help you?

Get in touch! Visit us online at www.faltbox.com or simply scan the QR code.





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